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AGRICULTURAL STATISTICS

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IOWA AGRICULTURAL STATISTICS

(formerly Iowa Crop and Livestock Reporting Service)

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Iowa Department of Agriculture and Land Stewardship

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SECRETARY OF AGRICULTURE

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DEPUTY SECRETARY OF AGRICULTURE

HENRY A. WALLACE BUILDING
DES MOINES, IOWA 50319

July 1988

To The People of Iowa:

The Iowa Department of Agriculture and Land Stewardship is proud to present the **1988 Iowa Agricultural Statistics**. The statistics on the largest industry in the state and nation are presented in this publication. Iowa's soils and climate provide an important annual renewable resource of agricultural products used for food, fiber and energy throughout the world. The State and County data were compiled from voluntary reports from thousands of Iowa farmers, processors, handlers, and agribusiness people who have a vital stake in the agricultural economy.

Some District and County estimates are missing from this year's bulletin due to the budget cut realized July 1987. I'm pleased to say these will be reinstated next year with the reinstatement of funds by the Iowa Legislature for these basic statistics. Dry weather early in 1988 caused considerable changes in marketing plans, reflecting need for careful analysis of options available during growth and after harvest.

The farm economy exhibited steady improvement in 1987 as steadily increasing cattle prices and a strong hog market boosted livestock cash receipts to the highest level in six years. Cash receipts for crops dipped to $3.5 billion in 1987, but this decline was offset by nearly $2 billion in U.S. Farm Program payments. Farmland prices strengthened late in 1986 and a gradual upturn in land prices continued through 1987. By year's end, land prices were 15 to 20 percent higher than they were a year earlier. Exports of top-quality Iowa corn and soybeans began to increase in 1987 as exporters began using the export enhancements programs as a means of competing in the foreign markets. Production expenses have dropped considerably in the past ten years as producers found ways to more efficiently produce farm commodities. As we enter a new year, the agribusiness economy is looking much brighter than it has in a number of years. We must continue to work together so we can have the best food production system in the world.

Sincerely,

Dale M. Cochran

Dale M. Cochran
Iowa Secretary of Agriculture

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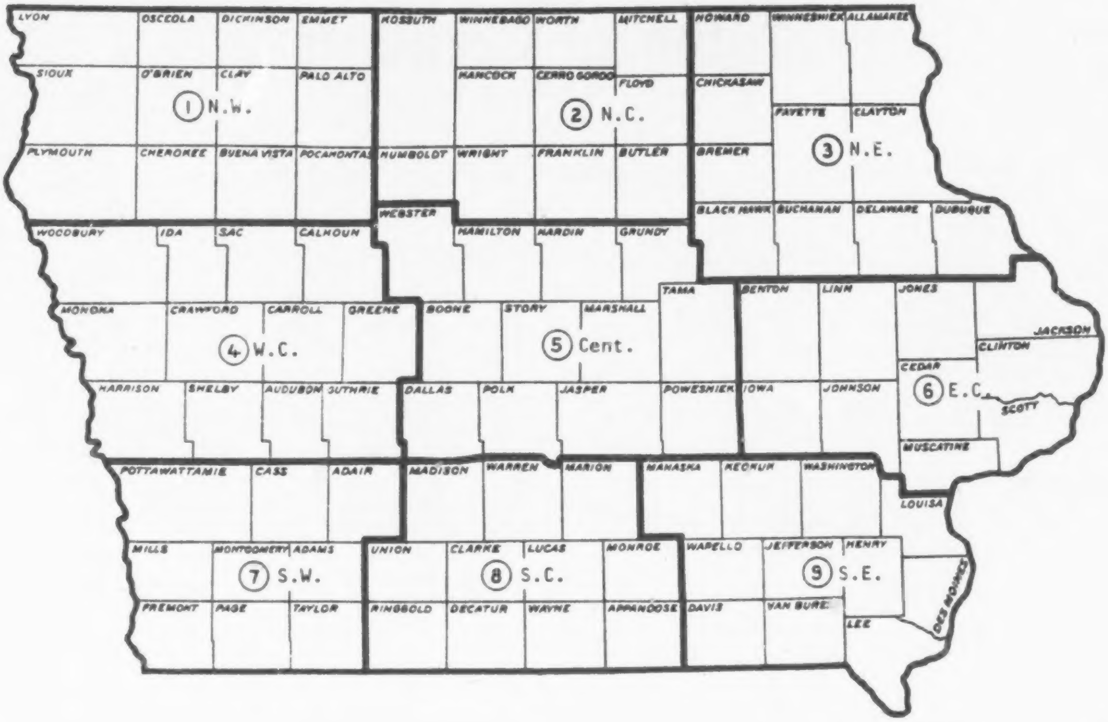
IOWA COUNTIES AND CROP REPORTING DISTRICTS


LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
SIOUX
O'BRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
① N.W.
② N.C.
FAYETTE
CLAYTON
③ N.E.
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
WEBSTER
WOODBURY
IDA
SAC
CALHOUN
HAMILTON
HARDIN
GRUNDY
TAMA
BENTON
LINN
JONES
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
JACKSON
CLINTON
④ W.C.
⑤ Cent.
CEDAR
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
⑥ E.C.
SCOTT
MUSCATINE
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
LOUISA
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
⑦ S.W.
⑧ S.C.
⑨ S.E.
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE
DES MOINES

Iowa is divided into nine crop reporting districts for convenience in compiling and presenting statistical information on crops and livestock. These nine districts are outlined on the above map. The districts are designated as follows: Northwest (NW), West Central (WC), Southwest (SW), North Central (NC), Central (C), South Central (SC), Northeast (NE), East Central (EC), and Southeast (SE). In tables showing statistical information by counties in this bulletin, counties within each district are grouped together in alphabetical order. Totals and averages are shown for each district.

Following is an alphabetical list of counties showing crop reporting districts in which each county is located:

Adair .... SW
Adams .... SW
Allamakee ..... NE
Appanoose ..... SC
Audubon .... WC

Benton .... EC
Black Hawk .... NE
Boone C
Bremer .... NE
Buchanan ...... NE

Buena Vista ... NW
Butler .... NC
Calhoun .... WC
Carroll .... WC
Cass .... SW

Cedar .... EC
Cerro Gordo ... NC
Cherokee ...... NW
Chickasaw ..... NE
Clarke .... SC

Clay .... NW
Clayton .... NE
Clinton .... EC
Crawford ...... WC
Dallas C

Davis .... SE
Decatur ...... SC
Delaware ..... NE
Des Moines ... SE
Dickinson .... NW

Dubuque ...... NE
Emmet .... NW
Fayette ...... NE
Floyd .... NC
Franklin ..... NC

Fremont ...... SW
Greene .... WC
Grundy C
Guthrie ...... WC
Hamilton C

Hancock ...... NC
Hardin C
Harrison ..... WC
Henry .... SE
Howard .... NE

Humboldt ..... NC
Ida .... WC
Iowa .... EC
Jackson ...... EC
Jasper C

Jefferson .... SE
Johnson ...... EC
Jones .... EC
Keokuk .... SE
Kossuth ...... NC

Lee .... SE
Linn .... EC
Louisa .... SE
Lucas .... SC
Lyon .... NW

Madison ...... SE
Mahaska ...... SE
Marion .... SC
Marshall C
Mills .... SW

Mitchell ..... NC
Monona .... WC
Monroe .... SC
Montgomery ... SW
Muscatine .... EC

O'Brien ...... NW
Osceola ...... NW
Page .... SW
Palo Alto .... NW
Plymouth ..... NW

Pocahontas ...... NW
Polk C
Pottawattamie ... SW
Poweshiek C
Ringgold .... SC

Sac .... WC
Scott .... EC
Shelby .... WC
Sioux .... NW
Story C

Tama C
Taylor .... SW
Union .... SC
Van Buren .... SE
Wapello .... SE

Warren .... SC
Washington ...... SE
Wayne .... SC
Webster C
Winnebago .... NC

Winneshiek ...... NE
Woodbury .... WC
Worth .... NC
Wright .... NC

GENERAL INFORMATION

Agriculture is Iowa's and the Nation's leading industry. Many foreign customers rely on Iowa-grown products to provide the food and fiber to fulfill their needs. We are proud to be a part of the agribusiness community that serves this mighty industry. The **1988 Iowa Agricultural Statistics** provides the latest statistical information that aids in decision-making to effectively and orderly market Iowa's commodities. Preliminary county and state estimates of crops produced in 1987 are an intricate feature of this year's publication. Inventory numbers of livestock in Iowa as of January 1, 1988, and production estimates for the livestock produced in the state are presented. Final county estimates for 1986 are also included in this publication.

The Iowa Agricultural Statistics office has the mission to provide reliable, timely, agricultural statistics, using scientifically-sound sampling and estimating procedures. This office performs its tasks under a cooperative effort of the National Agricultural Statistics Service of the U.S. Department of Agriculture and the Iowa Department of Agriculture and Land Stewardship. The cooperative office has been in existence since 1937 when the first cooperative agreement was signed.

HIGHLIGHTS OF 1987: Record soybean yields and near-record corn yields were realized by Iowa farmers in 1987. The mild spring turned hot and dry in early summer, putting corn under stress in some areas. But mid- and late-summer rains provided much-needed moisture to rapidly developing crops. Corn in the southeastern corner of the state failed to recover from early dryness while the crop in parts of the state thrived from the summer rains. The summer rains were ideal for the soybean crop; the plants responded by setting a record number of pods on each plant that filled with an above-average number of beans per pod. Hog inventories expanded at a steady controlled rate that provided a sufficient supply of pork. Prices for hogs were strong throughout 1987, and pork producers realized a positive cash flow from this enterprise for the entire year. Cattle numbers stabilized in 1987. Feeding cattle became a profitable enterprise, and Iowa producers responded by finishing more cattle than they had in recent years.

The economic condition of the farm sector improved in 1987 even though grain prices were at the lowest level in recent years. The 1985 U.S. Farm Program offered farmers many alternatives that improved their cash flow considerably. The Farm Program also encouraged producers to take about 1.5 million acres out of production by enrolling it in the Conservation Reserve Program. Probably the biggest boost to the farm economy was the upturn in land prices. Farm land prices in Iowa showed a strong recovery in 1987, and by the end of the year, they were up nearly 20 percent from a year earlier.

ACKNOWLEDGMENT: The preparation of a complex publication like this requires the input of many people. The most important ones are the farmers and agricultural product handlers who supply the basic information on a voluntary basis. We want to extend a very special thanks to the field and telephone enumerators who collected the data for this outstanding publication. Last, but far from least, we want to express our appreciation to the technical and support staff of the Iowa Agricultural Statistics office for their devoted service.

HOW TO ORDER: Additional copies of this publication, along with current reports and forecasts, are available upon request to the Secretary of Agriculture's office or through this office, Room 833, 210 Walnut Street, Des Moines, Iowa 50309. There is a nominal charge of $3.00 per copy for this publication which covers the cost of printing and mailing. Checks should be made payable to the "Iowa Department of Agriculture."

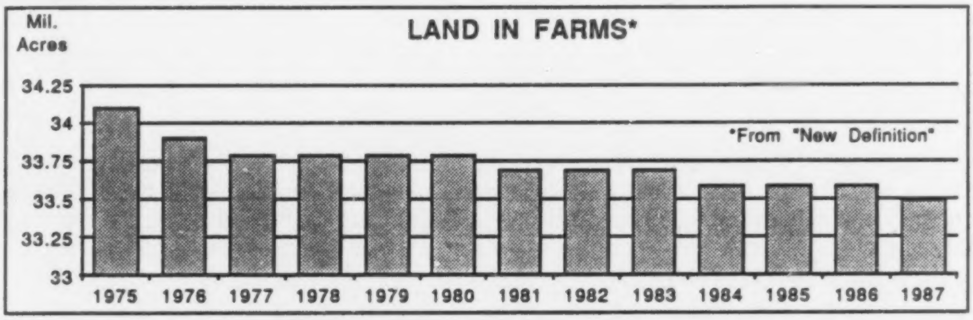
Duane M. Skow
State Statistician

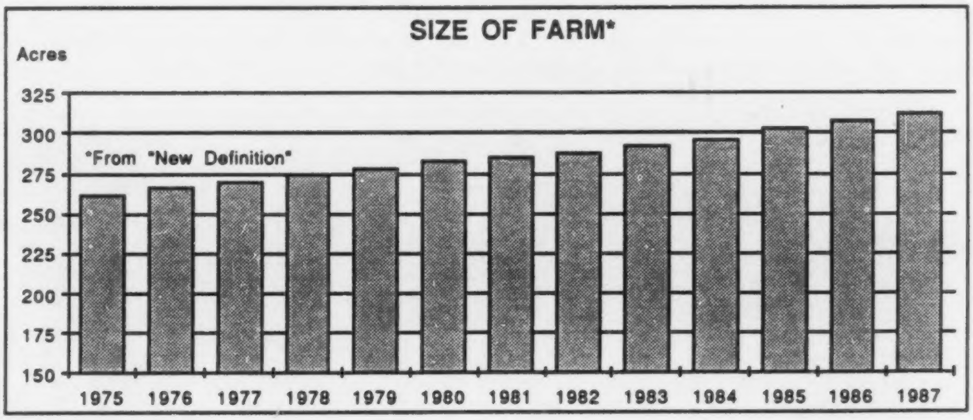
Howard R. Holden
Deputy State Statistician

Iowa Farms: Number, Average Size And Land In Farms[1]

Year	Number of farms	Average size	Land in farms	Year	Number of farms	Average size	Land in farms
	Thousands	Acres	Mil. acres		Thousands	Acres	Mil. acres
1940	213	160	34.1	1976	133	257	34.2
1945	209	165	34.5	1977	131	261	34.2
1950	206	169	34.8	1978	128	266	34.1
1955	195	179	34.9				
1960	183	190	34.7	1975[2]	130	262	34.1
				1976	127	267	33.9
1965	158	219	34.6	1977	125	270	33.8
1966	155	223	34.5	1978	123	275	33.8
1967	152	227	34.5	1979	121	279	33.8
1968	149	231	34.4				
1969	147	234	34.4	1980	119	284	33.8
				1981	118	286	33.7
1970	145	237	34.4	1982	117	288	33.7
1971	143	241	34.4	1983	115	293	33.7
1972	141	243	34.3	1984	113	297	33.6
1973	139	247	34.3				
1974	138	249	34.3	1985	111	303	33.6
				1986	109	308	33.6
1975	136	251	34.2	1987[3]	107	313	33.5

[1] Prior to 1950, data from U.S. Census of Agriculture. [2] The "New Definition" of a farm, starting in 1975, includes places which had annual sales of agricultural products of $1,000 or more. This is the same definition used by the Department of Commerce, Bureau of the Census, for the 1978 Census of Agriculture. The "Old Definition" of a farm included places of 10 or more acres and had annual sales of $50 or more and places of less than 10 acres that had annual sales of $250 or more. [3] Preliminary.





CROPS

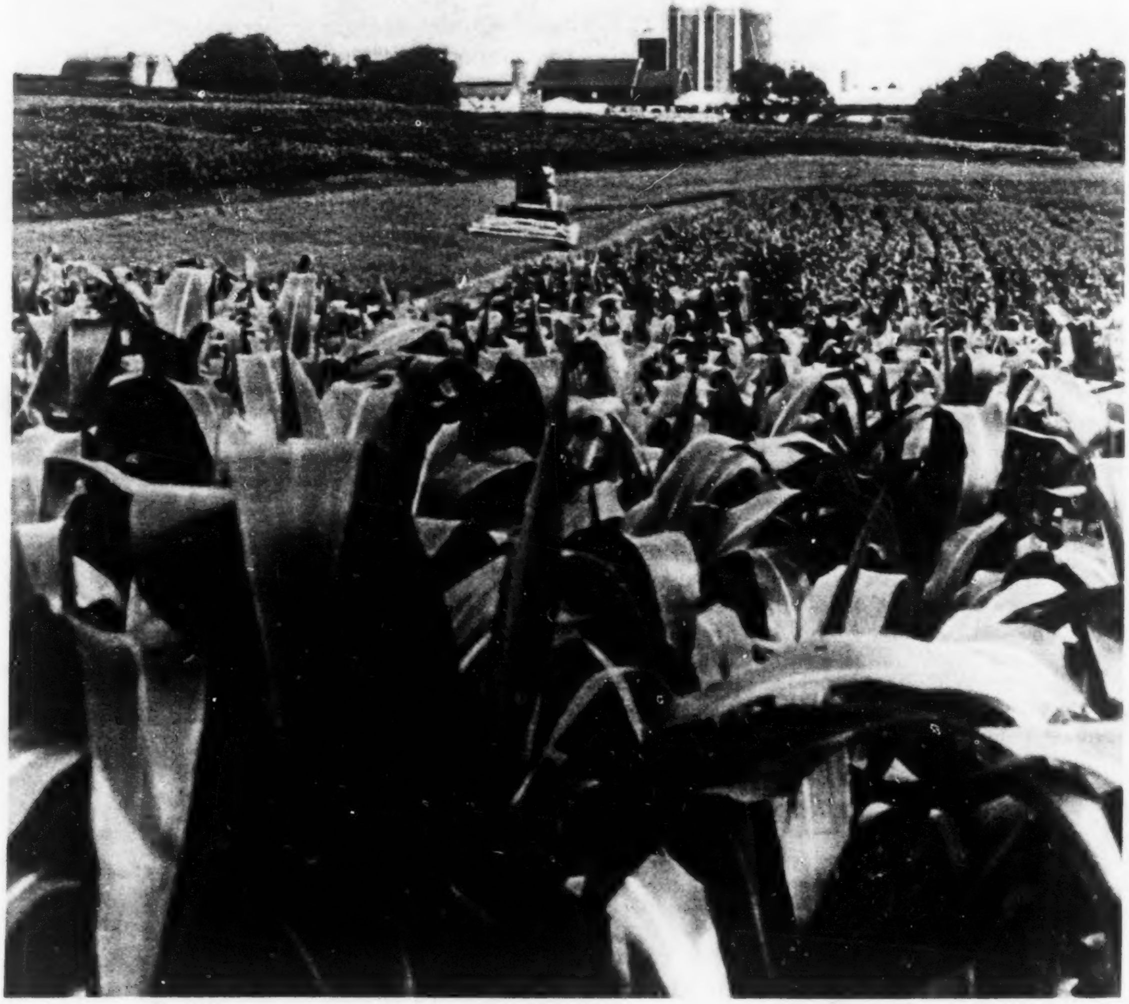


Photo Courtesy of Pioneer Hi-Bred

1987 Crop Summary

IOWA

The 1987 winter was one of the warmest and driest on record. The mild conditions were very beneficial to early spring tillage and fertilizer application.

March continued warm, with adequate rainfall, except in the extreme southeast leading to ideal spring planting conditions. Winter kill was minimal for both the 1987 winter wheat and hay crops. Oat seeding began in late March.

April continued warm and dry, allowing farmers to get an early start planting corn. By month's end, virtually all of the oats were seeded, and over one-half of the state's corn acreage was planted, well ahead of the normal.

Corn planting continued on its frenzied pace into May, and by mid-month virtually all of the intended acreage was in the ground. Soybean planting started in early May, and by month's end, nearly 90 percent of the soybeans were planted, well ahead of the 50 percent normally planted by that date. The 1987 seeding pace for both corn and soybeans exceeded any prior year since records started in 1962.

Temperatures during May averaged well above normal while precipitation was below normal. However, heavy rain fell in southwest Iowa on the 26th, causing considerable erosion, standing water and low-land flooding. June was mostly hot and dry throughout the state. Temperatures averaged 3 to 5 degrees above normal with precipitation 2 to 3 inches below normal. Traditional farmer concern over impending disaster was precipitated by the dry conditions throughout the state. While some crop stress did occur, it was mainly limited to a few counties in extreme southeast and east central Iowa.

July saw rainfall return to normal over all but extreme southeast and east central Iowa. Temperatures remained above normal, pushing crop progress for both corn and soybeans well ahead of both a year earlier and the five-year average.

August precipitation was above normal with temperatures slightly below normal. Rain fell in the extremely dry southeast and east central counties, but it came too late to provide much help for corn. However, August is an extremely critical period for soybean pod filling. The abundant August rains were a great boost to soybean production, including the dry counties in eastern Iowa. The early dryness in eastern Iowa encouraged the ASCS to open set-aside acres to haying state-wide. The adequate July and August rainfall boosted hay production levels so that there were plentiful supplies of forages available.

September turned dry and warm, pushing crop progress even further ahead of normal. Seed corn harvest started in late August, while field corn harvest began in early September, one of the earliest starts on record. The warm dry conditions field-dried both corn and soybeans rapidly. By month's end, over one-fourth of the corn and over one-half of the soybean acreage had been harvested, double the normal progress for both crops.

Normal rainfall returned in October, but the moisture was quickly absorbed by the dry soils. Harvest was slowed very little from the showers that fell throughout the state. By mid-October virtually all of the soybeans and three-fourths of the corn acreage was harvested. Normally about one-third of the corn and one-half of the soybeans are harvested by mid-October. The early corn maturity and dry September weather provided ideal natural field-drying conditions for corn, and most of the corn was below 16 percent at harvest. This was a good bonus for Iowa farmers as normal costly drying expenses were minimized.

The early harvest and open weather of October and November allowed farmers to do considerable fall tillage. Wheat was sown at the optimum time which was considerably different than in the prior two years when heavy fall rains made corn and soybean harvest late, pushing the winter wheat seeding late into the year.

UNITED STATES

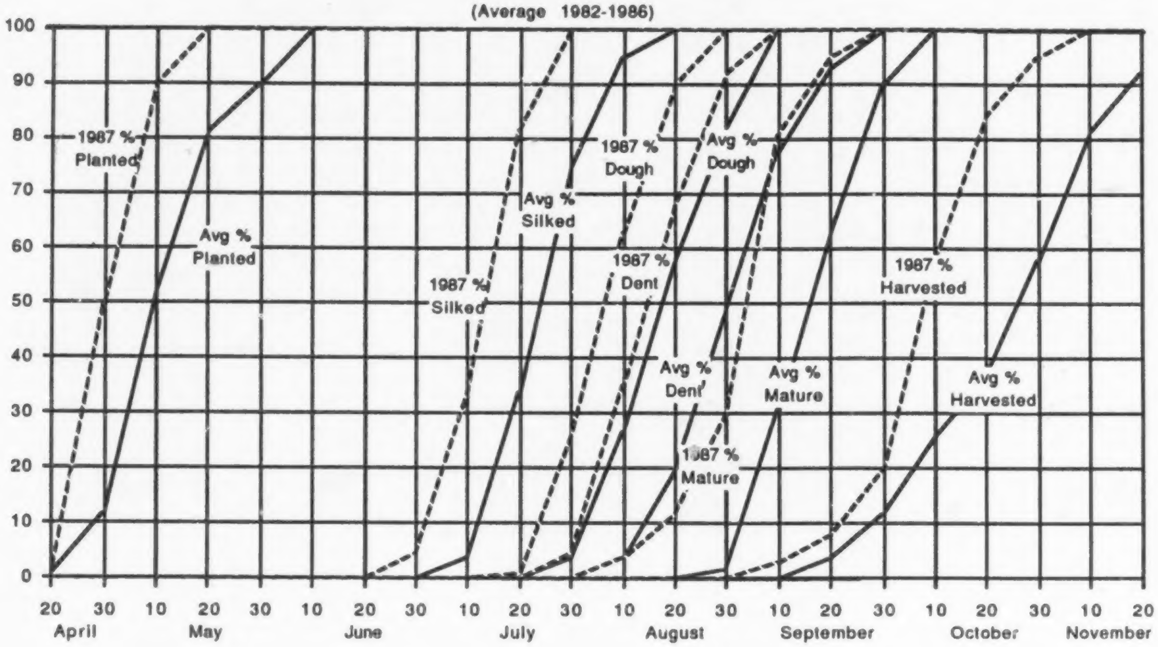
Planting of the 1987 corn crop got off to a good start and was generally ahead of normal. By May 17, 93 percent of the corn crop was planted compared with 76 percent in 1986 and the average of 67 percent. The crop progress ran ahead of normal the entire season. Harvest of the 1987 crop also got off to an excellent start. Dry weather during the fall allowed the harvest to continue at a rapid pace. The dry harvest conditions also reduced the need for additional drying of the crop. The excellent growing and harvest conditions also reduced sharply the acreage abandoned or harvested as forage.

Soybean planting got off to an early start in 1987 and stayed ahead of normal in most States. By the middle of June, over 90 percent of the area was planted, more than a week ahead of normal. Dry hot weather, especially at the end of July, stressed the crop in the southeastern States. Soybeans in the central Plains, Corn Belt and Delta also were stressed by heat and inadequate moisture. Cooler temperatures and precipitation the first week in August provided relief in the Southeast, Corn Belt and central Plains. Harvest was underway in early September and finished two to three weeks earlier than normal in many areas. Moisture content of soybeans appeared to be below normal as dry weather allowed fields to mature very quickly.

The area of principal crops planted or grown in 1987 totaled 305 million acres, down 23 million acres from 1986. Corn showed the largest acreage decrease—11 million acres, followed by: wheat, with a 6.3 million acre decrease; sorghum, with a 3.5 million acre decrease; and soybeans, with a 3.0 million acre decrease. The harvested area of principal crops totaled 289 million acres, down 22 million acres from 1986.

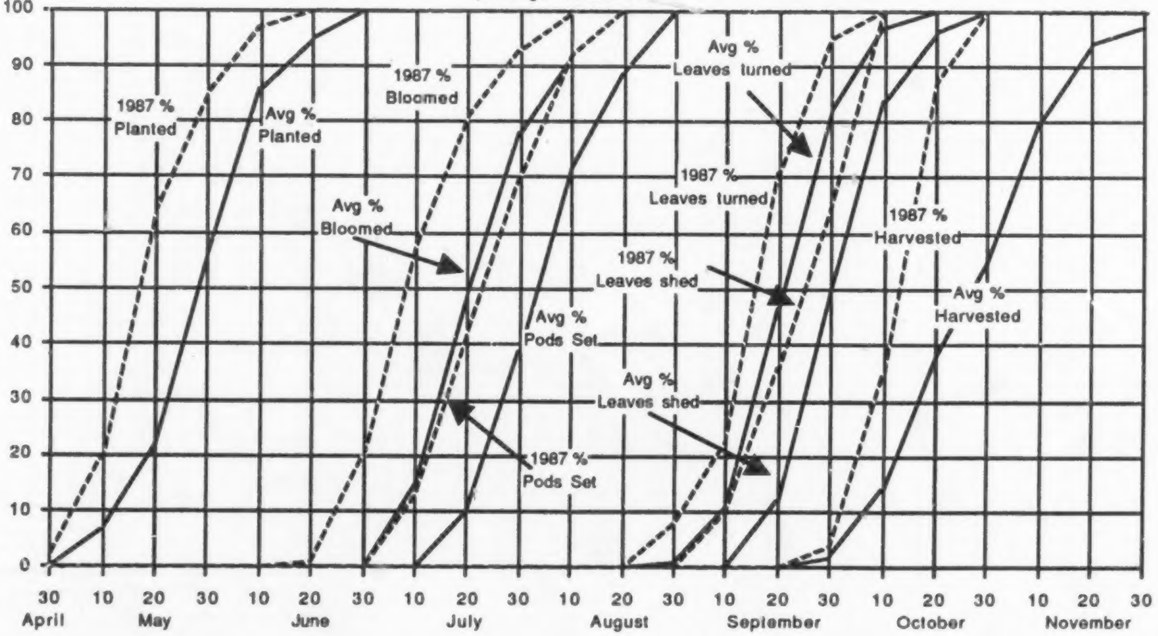
Corn Seasonal Development Chart[1]

(Average 1982-1986)



Soybean Seasonal Development Chart[1]

(Average 1982-1986)



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[1] Percent in or past designated stage.

CROP SUMMARY: ACRES PLANTED, HARVESTED, YIELD, AND PRODUCTION, IOWA AND U.S.

Crop Year	Unit	Iowa				United States			
		Acreage				Acreage			
		Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
		-----1,000-----			------------1,000------------				--1,000--
					ALL CORN				
1977	- -	13,800	13,615	- -	- -	84,328	81,537	- -	- -
1983	- -	9,100	9,085	- -	- -	60,217	59,597	- -	- -
1984	- -	13,400	13,310	- -	- -	80,543	79,786	- -	- -
1985	- -	13,900	13,860	- -	- -	83,448	82,690	- -	- -
1986	- -	12,300	12,250	- -	- -	76,674	75,433	- -	- -
1987[1]	- -	10,300	10,270	- -	- -	65,706	65,039	- -	- -
					CORN FOR GRAIN				
1977	Bu.	- -	12,700	86.0	1,092,200	- -	71,614	90.8	6,505,041
1983	Bu.	- -	8,550	87.0	743,850	- -	51,483	81.1	4,174,678
1984	Bu.	- -	12,900	112.0	1,444,800	- -	71,915	106.7	7,674,020
1985	Bu.	- -	13,550	126.0	1,707,300	- -	75,224	118.0	8,876,706
1986[2]	Bu.	- -	12,050	135.0	1,626,750	- -	69,159	119.3	8,249,864
1987[1]	Bu.	- -	10,050	130.0	1,306,500	- -	59,167	119.4	7,064,143
					CORN FOR SILAGE				
1977	Ton	- -	875	12.5	10,938	- -	9,314	12.6	117,743
1983	Ton	- -	520	12.0	6,240	-	7,814	12.3	96,347
1984	Ton	- -	395	15.0	5,925	- -	7,541	13.9	104,590
1985	Ton	- -	300	16.0	4,800	- -	7,160	14.4	102,753
1986[2]	Ton	- -	200	17.0	3,400	- -	6,274	14.1	88,660
1987[1]	Ton	- -	220	16.0	3,520	- -	5,872	14.6	85,586
					SOYBEANS				
1977	Bu.	7,100	7,080	35.5	251,340	58,978	57,830	30.6	1,767,267
1983	Bu.	8,000	7,960	35.0	278,600	63,779	62,525	26.2	1,635,772
1984	Bu.	8,500	8,400	31.5	264,600	67,755	66,113	28.1	1,860,863
1985	Bu.	8,200	8,150	38.0	309,700	63,130	61,584	34.1	2,098,531
1986[2]	Bu.	8,500	8,450	41.5	350,675	60,385	58,292	33.3	1,940,101
1987[1]	Bu.	7,950	7,900	43.5	343,650	57,415	56,437	33.7	1,904,712
					OATS				
1977	Bu.	1,650	1,350	61.0	82,350	17,732	13,485	55.8	752,774
1983	Bu.	4,700	750	51.0	38,250	20,289	9,072	52.6	476,961
1984	Bu.	1,300	740	64.0	47,360	12,414	8,163	58.0	473,661
1985	Bu.	1,600	760	76.0	57,760	13,255	8,177	63.7	520,800
1986[2]	Bu.	2,500	630	62.0	39,060	14,691	6,860	56.3	386,356
1987[1]	Bu.	4,200	650	55.0	35,750	17,959	6,925	54.0	373,765
					ALL HAY				
1977	Ton	- -	2,340	3.17	7,423	- -	60,988	2.17	132,211
1983	Ton	- -	2,100	2.81	5,905	- -	59,717	2.36	140,764
1984	Ton	- -	2,150	3.65	7,850	- -	61,445	2.45	150,648
1985	Ton	- -	2,150	3.32	7,133	- -	60,423	2.46	148,601
1986[2]	Ton	- -	2,400	3.33	8,000	- -	62,419	2.49	155,529
1987[1]	Ton	- -	2,100	3.30	6,933	- -	60,748	2.46	149,142

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[1] Preliminary. [2] Revised.

CROP SUMMARY: ACRES PLANTED, HARVESTED, YIELD, AND PRODUCTION, IOWA AND U.S.

Crop Year	Unit	Iowa Acreage Planted	Iowa Acreage Harvested	Iowa Yield	Iowa Production	United States Acreage Planted	United States Acreage Harvested	United States Yield	United States Production
		-----1,000-----				------------1,000------------			--1,000--
					ALFALFA				
1977	Ton	- -	1,750	3.50	6,125	- -	27,150	2.98	80,814
1983	Ton	- -	1,550	3.10	4,805	- -	25,710	3.20	82,212
1984	Ton	- -	1,650	4.00	6,600	- -	26,799	3.36	90,105
1985	Ton	- -	1,550	3.75	5,813	- -	25,608	3.32	85,048
1986[2]	Ton	- -	1,600	3.80	6,080	- -	26,793	3.42	91,552
1987[1]	Ton	- -	1,450	3.75	5,438	- -	25,485	3.32	84,554
					SORGHUM				
1977	Bu.	45	32	74.0	2,368	16,636	13,797	56.6	780,944
1983	Bu.	40	5	60.0	300	11,880	10,001	48.7	487,521
1984	Bu.	20	12	55.0	660	17,254	15,355	56.4	866,241
1985	Bu.	.[3]	.[3]	.[3]	.[3]	18,285	16,782	66.8	1,120,271
1986[2]	Bu.	- -	- -	- -	- -	15,336	13,859	67.7	938,124
1987[1]	Bu.	- -	- -	- -	- -	11,804	10,604	69.9	740,863
					ALL WHEAT				
1977	Bu.	130	109	37.0	4,033	75,410	66,686	30.7	2,045,527
1983	Bu.	75	50	38.0	1,900	76,419	61,390	39.4	2,419,824
1984	Bu.	110	100	36.0	3,600	79,213	66,928	38.8	2,594,777
1985	Bu.	120	112	48.0	5,376	75,575	64,734	37.5	2,425,105
1986[2]	Bu.	90	60	28.0	1,680	72,068	60,723	34.4	2,091,635
1987[1]	Bu.	90	30	38.0	1,140	65,804	55,930	37.6	2,105,200
					RYE				
1977	Bu.	20	4	29.0	116	2,555	677	24.4	16,543
1983	Bu.	21	3	31.0	93	2,707	896	30.3	27,116
1984	Bu.	30	5	34.0	170	2,971	981	33.1	32,463
1985	Bu.	25	6	36.0	216	2,563	717	28.8	20,637
1986[2]	Bu.	20	4	36.0	144	2,384	677	28.8	19,522
1987[1]	Bu.	25	4	35.0	140	2,498	683	28.9	19,718
					POTATOES				
1977	Cwt.	2.3	2.1	225	473	1,398.9	1,360.2	261	355,334
1983	Cwt.	1.7	1.6	110	176	1,272.1	1,242.5	269	333,911
1984	Cwt.	1.7	1.4	150	210	1,336.9	1,301.0	279	362,612
1985	Cwt.	1.6	1.6	206	330	1,409.1	1,361.1	299	407,109
1986[2]	Cwt.	1.7	1.7	195	332	1,257.2	1,219.6	296	361,511
1987[1]	Cwt.	1.7	1.7	185	315	1,304.7	1,282.1	301	385,774
					APPLES				
1977	Mil. lbs.	- -	- -	- -	10.7	- -	- -	- -	6,672.6
1983	Mil. lbs.	- -	- -	- -	12.5	- -	- -	- -	8,373.0
1984	Mil. lbs.	- -	- -	- -	5.0	- -	- -	- -	8,333.0
1985[2]	Mil. lbs.	- -	- -	- -	13.5	- -	- -	- -	7,923.5
1986[2]	Mil. lbs.	- -	- -	- -	5.5	- -	- -	- -	7,933.0
1987[1]	Mil. lbs.	- -	- -	- -	8.8	- -	- -	- -	9,944.4

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[1] Preliminary. [2] Revised. [3] Discontinued.

STATE RANKINGS: HARVESTED CROPS AND CROP PRODUCTION
IOWA AND 10 LEADING STATES, 1987

Item	1	2	3	4	5	6	7	8	9	10	Iowa	
											Rank	% of U.S.
Harvested Acres												
Corn for grain	Iowa	Ill.	Neb.	Minn.	Ind.	Ohio	Wis.	S.D.	Mo.	Mich.	1	17
Corn for silage	Wisc.	N.Y.	Pa.	Minn.	Mich.	S.D.	N.D.	Cal.	Va.	Neb.	11	4
Soybeans	Ill.	Iowa	Mo.	Minn.	Ind.	Ohio	Ark.	Miss.	Neb.	Kans.	2	14
Oats	S.D.	Minn.	Wisc.	N.D.	Iowa	Neb.	Mich.	Pa.	Ohio	Tex.	5	9
All Wheat	Kans.	N.D.	Okla.	Mont.	Tex.	S.D.	Colo.	Minn.	Wash.	Neb.	39	--[1]
Winter wheat	Kans.	Okla.	Tex.	Colo.	Mont.	Neb.	Wash.	S.D.	Ill.	Ark.	39	--[1]
Sorghum	Kans.	Tex.	Neb.	Mo.	Okla.	Ark.	S.D.	Colo.	La.	Miss.	--[2]	--[2]
Rye	N.D.	S.D.	Ga.	Neb.	Minn.	N.C.	S.C.	Okla.	Mich.	Pa.	22	1
Alfalfa hay & mixtures	Wisc.	S.D.	Minn.	N.D.	Iowa	Mont.	Neb.	Mich.	Cal.	Idaho	5	6
All other hay	Tex.	Mo.	Ky.	Okla.	Neb.	S.D.	Kans.	Tenn.	N.D.	N.Y.	20	2
All hay	S.D.	Mo.	Wisc.	Tex.	Neb.	N.D.	Minn.	Kans.	N.Y.	Okla.	13	3
Potatoes	Idaho	N.D.	Wash.	Maine	Minn.	Colo.	Wisc.	Oreg.	Cal.	Mich.	34	--[1]
Total acres of principal crops harvested[3]	Iowa	Ill.	Kans.	N.D.	Minn.	Tex.	Neb.	S.D.	Mo.	Ind.	1	7
Production												
Corn for grain	Iowa	Ill.	Neb.	Minn.	Ind.	Ohio	Wisc.	Mo.	S.D.	Mich.	1	18
Corn for silage	Wisc.	N.Y.	Pa.	Cal.	Minn.	Mich.	Neb.	Iowa	Ohio	S.D.	8	4
Soybeans for beans	Iowa	Ill.	Minn.	Ind.	Mo.	Ohio	Neb.	Ark.	Kans.	Miss.	1	18
Oats	S.D.	Minn.	Wisc.	N.D.	Iowa	Ohio	Neb.	Mich.	Pa.	Ill.	5	10
All wheat	Kans.	N.D.	Mont.	Okla.	Wash.	S.D.	Minn.	Tex.	Colo.	Neb.	41	--[1]
Winter wheat	Kans.	Okla.	Wash.	Tex.	Colo.	Neb.	Mont.	Idaho	Ill.	S.D.	40	--[1]
Sorghum grain	Kans.	Tex.	Neb.	Mo.	Ark.	Okla.	S.D.	La.	Ill.	Colo.	--[2]	--[2]
Rye	N.D.	S.D.	Ga.	Minn.	Neb.	N.C.	Mich.	Pa.	S.C.	Va.	20	1
Alfalfa hay & mixture	Wisc.	Cal.	Minn.	Iowa	S.D.	Neb.	Idaho	Mich.	Kans.	N.D.	4	6
All other hay	Tex.	Mo.	Ky.	Okla.	Kans.	N.Y.	Pa.	Tenn.	Neb.	S.D.	16	2
All hay	Cal.	Wisc.	Tex.	Minn.	S.D.	Iowa	Neb.	Mo.	Kans.	N.Y.	6	5
Potatoes	Idaho	Wash.	Oreg.	Maine	N.D.	Colo.	Wisc.	Cal.	Minn.	Mich.	33	--[1]
Apples	Wash.	Mich.	N.Y.	Cal.	Pa.	Va.	N.C.	W.Va.	Oreg.	Ohio	33	--[1]
Capacity of off-farm storage facilities[4]	Ill.	Iowa	Kans.	Tex.	Neb.	Minn.	Ind.	Ohio	Mo.	Okla.	2	12

[1] Less than 1/2 of 1 percent. [2] Iowa discontinued estimates in 1985. [3] Crop acres included are: corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower, cotton, all hay, dry beans, potatoes, sweet potatoes, tobacco, sugarcane, and sugar beets. [4] December 1, 1987.

Crops: Record Highs and Lows
For Acreage, Yield and Production of Iowa Crops

Item	Unit	Record High		Record Low		Year record started
		Quantity	Year[1]	Quantity	Year[1]	
Corn for grain						1919
Acres harvested	Thou. acres	13,850	1981	5,701	1934	
Yield	Bushels	135.0	1986	20.0	1936	
Production	Mil. Bu.	1,731.25	1981	148.90	1936	
Corn for silage						1919
Acres harvested	Thou. acres	970	1976	134	1942	
Yield	Tons	17.5	1979	3.5	1936	
Production	Mil. tons	12.13	1976	1.41	1942	
Grain sorghum						1954
Acres harvested	Thou. acres	308	1957	5	1983	
Yield	Bushels	87.0	1971	35.0	1955	
Production	Mil. bu.	13.86	1957	.21	1955	
Hay, all						1909
Acres harvested	Thou. acres	4,869	1909	2,100	1987	
Yield	Tons	3.75	1979	.79	1911	
Production	Mil. tons	8.75	1979	3.05	1934	
Hay, alfalfa						1919
Acres harvested	Thou. acres	2,580	1957	172	1919	
Yield	Tons	4.10	1979	1.49	1934	
Production	Mil. tons	7.42	1979	.44	1919	
Oats						1866
Acres harvested	Thou. acres	6,520	1950	450	1866	
Yield	Bushels	76.0	1985	13.0	1934	
Production	Mil. bu.	273.87	1948	15.53	1866	
Rye						1866
Acres harvested	Thou. acres	207	1937	3	1983	
Yield	Bushels	36.0	1986	7.9	1934	
Production	Mil. bu.	4.04	1937	.07	1953	
Soybeans, for beans						1924
Acres harvested	Thou. acres	8,450	1986	7	1925	
Yield	Bushels	43.5	1987	11.5	1934	
Production	Mil. bu.	350.68	1986	.10	1925	
Wheat						1866
Acres harvested	Thou. acres	3,420	1874	30	1987	
Yield	Bushels	48.0	1985	6.0	1881	
Production	Mil. bu.	40.43	1873	.84	1965	

[1] In case of a tie, the most recent year was used.

Grain Stocks (Late Crops): Storage on Farms and Total, By Quarter, Iowa and U.S.

Crop year	Production	Cal. year	Marketing Season January 1[1]		April 1[1]		June 1[1]		End of season[1]	
			On farm	Total	On farm	Total	On farm	Total	On farm	Total
	1000/bu.		*Thousand bushels*							
IOWA					**CORN**					
1977	1,092,200	1978	797,306	1,128,442	589,788	859,735	458,724	649,715	163,830	273,441
1983	743,850	1984	691,781	1,084,083	468,626	738,343	304,979	500,145	81,824	187,965
1984	1,444,800	1985	895,776	1,205,696	693,504	937,532	520,128	717,667	173,376	424,551
1985	1,707,300	1986	1,246,329	1,813,450	956,088	1,445,764	819,504	1,280,883	563,000	1,054,474
1986	1,626,750	1987	1,600,000	2,345,203	1,250,000	1,967,885	890,000	1,536,062	615,000	1,222,445
1987[2]	1,306,500	1988[2]	1,380,000	2,129,726	1,050,000	1,726,233				
					SOYBEANS					
1977	251,340	1978	130,697	242,289	92,996	190,326	60,322	123,738	17,594	46,230
1983	278,600	1984	130,942	247,887	89,152	165,653	44,576	102,494	19,502	46,046
1984	264,600	1985	132,300	236,926	103,194	181,437	79,380	140,785	34,398	82,291
1985	309,700	1986	164,141	322,273	133,171	258,453	108,395	214,931	52,00	158,380
1986[3]	350,675	1987[3]	210,000	407,180	140,000	313,588	80,000	228,568	27,00	132,080
1987[2]	343,650	1988[2]	185,000	377,362	134,000	258,663				
UNITED STATES					**CORN**					
1977	6,505,041	1978	3,873,623	5,552,301	2,549,170	3,909,415	1,872,359	2,861,138	666,727	1,111,435
1983	4,174,678	1984	3,079,963	4,912,867	1,933,652	3,251,210	1,213,068	2,145,075	347,853	723,223
1984	7,674,020	1985	4,304,054	5,864,225	2,833,806	3,965,542	2,007,823	2,835,524	678,947	1,380,727
1985	8,876,706	1986	5,528,606	7,894,768	3,981,992	5,947,079	3,143,067	4,990,037	2,049,410	4,039,522
1986[3]	8,249,864	1987[3]	6,795,500	10,305,499	5,024,000	8,248,193	3,491,800	6,332,241	2,284,500	4,881,693
1987[2]	7,064,143	1988[2]	6,100,000	9,768,465	4,421,000	7,631,490				
					SOYBEANS					
1977	1,767,267	1978	674,550	1,326,950	394,405	849,853	207,541	506,356	59,132	161,176
1983	1,635,772	1984	620,171	1,290,555	374,237	790,002	179,601	471,686	67,912	175,696
1984	1,860,863	1985	766,335	1,422,059	487,369	896,001	326,596	608,417	143,221	316,057
1985	2,098,531	1986	927,395	1,760,279	599,246	1,175,984	411,740	848,926	167,090	536,365
1986[3]	1,940,101	1987[3]	1,061,000	1,956,637	589,000	1,338,958	282,100	836,754	107,950	436,447
1987[2]	1,904,712	1988[2]	865,300	1,755,470	551,500	1,145,925				

[1] Starting on September 1, 1986, all stocks surveys were changed to four quarterly periods (Dec. 1, March 1, June 1, and Sept. 1). Quantities of grain stored reflect these new survey periods starting with the 1986 end of season estimate. Prior to 1986, the end of season for corn was Oct. 1 and Sept. 1 for soybeans. [2] Preliminary. [3] Revised.

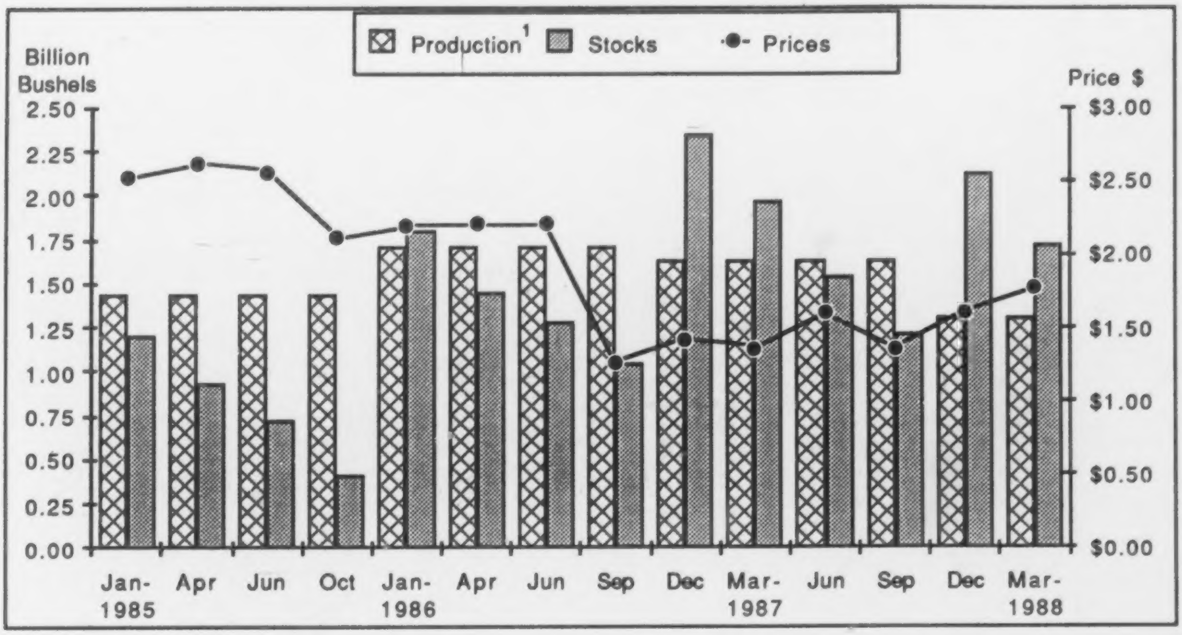
Iowa Grain Storage Facilities, January 1[1]

Number of Facilities and Rated Storage Capacities

Year	Number of Facilities[2]	Off-Farm Capacity	On-Farm Capacity	Year	Number of Facilities[2]	Off-Farm Capacity	On-Farm Capacity
		-------(000 bu.)-------				-------(000 bu.)-------	
1963		359,800		1976		557,000	
1964		348,300		1977[3]	1,184	587,900	
1965		351,800		1978	1,150	635,000	
1966		359,000		1979	1,120	677,500	
1967		359,500		1980	1,090	705,150	
1968		370,700		1981	1,110	735,000	
1969		404,050		1982	1,037	738,707	
1970		437,600		1983	1,024	874,460	
1971		442,600		1984	1,009	905,330	
1972		443,000		1985	976	875,970	
1973		486,000		1986[4] (Jan)	941	902,930	1,975,922
1974		502,000		1986[4] (Dec)	931	1,084,790	2,020,294
1975		524,000		1987	917	1,153,670	--

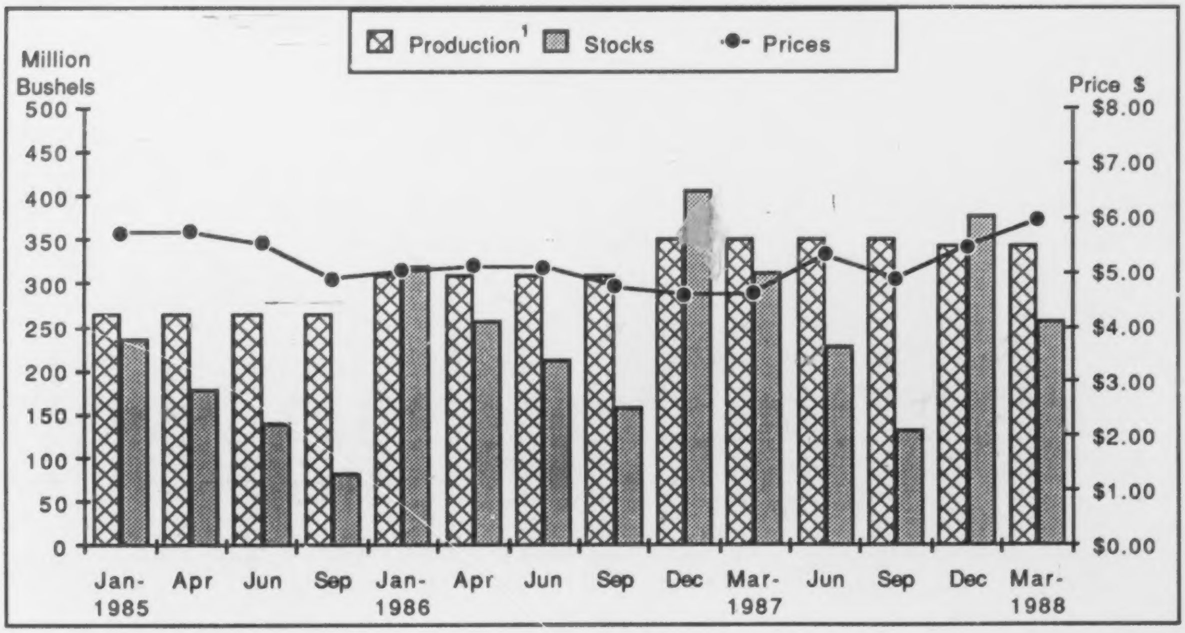
[1] Annual estimate changed from January 1 to December 1 in 1986. [2] One facility may include several elevators, but records are maintained at one central location. [3] Number of facilities not available before 1977. [4] Only data published for on-farm capacity.

CORN
Production By Year, Price & Stocks By Quarters



[1] Production refers to previous crop year.

SOYBEANS
Production By Year, Price & Stocks By Quarters



[1] Production refers to previous crop year.

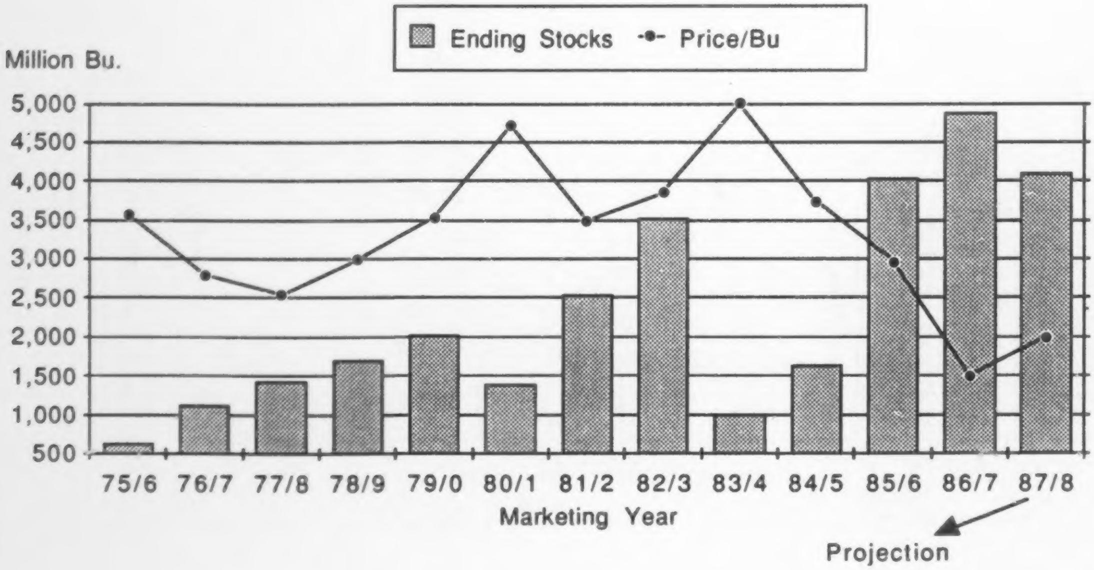
U.S. CORN SUPPLY DEMAND ESTIMATES

September 1 to August 31 Marketing Year

Mktg. Year	Carry-over	Prod.	Total Supply	Feed Use and Residual	Other Domestic Use	Exports	Ending Stocks Mil. Bu	Ending Stocks Days[1]	Ending Stocks % Prod	Avg. Farm Price
	-----------	-----------	-----------	*Million Bushels*	-----------	-----------				*$/Bu.*
75/76	558	5,841	6,401	3,569	521	1,678	633	40	10.84	2.54
76/77	633	6,289	6,925	3,590	542	1,657	1,136	72	18.06	2.15
77/78	1,136	6,505	7,643	3,717	581	1,909	1,436	84	22.08	2.02
78/79	1,436	7,268	8,705	4,264	609	2,124	1,710	89	23.53	2.25
79/80	1,910	7,928	9,638	4,549	640	2,415	2,034	98	25.66	2.52
80/81	2,034	6,639	8,675	4,157	718	2,408	1,392	70	20.97	3.11
81/82	1,392	8,119	9,512	4,169	797	2,009	2,537	133	31.25	2.50
82/83	2,537	8,235	10,773	4,521	895	1,834	3,523	177	42.78	2.68
83/84	3,523	4,175	7,701	3,818	975	1,902	1,006	55	24.10	3.25
84/85	1,006	7,674	8,684	4,116	1,055	1,865	1,648	85	21.48	2.62
85/86	1,648	8,877	10,536	4,095	1,160	1,241	4,040	227	45.51	2.23
86/87	4,040	8,250	12,291	4,714	1,192	1,504	4,882	240	59.18	1.50
87/88[2]	4,882	7,064	11,948	4,900	1,236	1,700	4,112	192	58.21	1.65-1.85

[1] "Ending stocks available by days" is calculated by dividing the current year's total use (feed, other domestic, and exports) by days during year to obtain a daily use. The ending stocks are then divided by the daily use to obtain stocks available by days. [2] Projection May 1988.

CORN - U.S.
ENDING STOCKS VS. PRICE/BU.



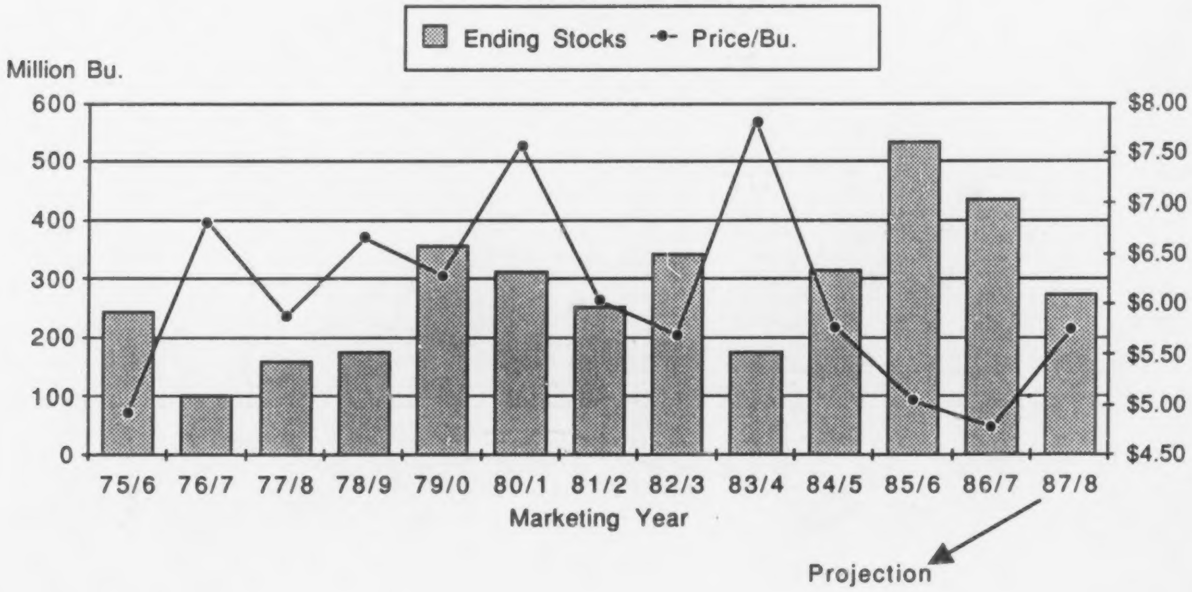
U.S. SOYBEAN SUPPLY DEMAND ESTIMATES

September 1 to August 31 Marketing Year

Mktg. Year	Carry-over	Prod.	Total Supply	Crush	Exports	Feed, Seed,& Residual	Ending Stocks			Avg. Farm Price
							Mil. Bu	Days[1]	% Prod	
	Million Bushels									$/Bu.
75/76	188	1,548	1,736	865	555	71	245	60	15.84	4.92
76/77	245	1,289	1,534	790	564	77	103	26	8.00	6.81
77/78	103	1,767	1,870	927	700	82	161	34	9.14	5.88
78/79	161	1,869	2,030	1,018	739	97	176	35	9.42	6.66
79/80	176	2,261	2,437	1,123	875	81	358	63	15.83	6.28
80/81	358	1,798	2,156	1,020	724	99	313	61	17.41	7.57
81/82	313	1,989	2,302	1,030	929	89	254	45	12.77	6.04
82/83	254	2,190	2,444	1,108	905	86	345	60	15.75	5.69
83/84	345	1,636	1,981	983	743	79	176	36	10.76	7.81
84/85	176	1,861	2,037	1,030	598	93	316	67	16.98	5.78
85/86	316	2,099	2,415	1,053	741	85	536	104	25.54	5.05
86/87	536	1,940	2,476	1,179	757	104	436	78	22.47	4.78
87/88[2]	436	1,905	2,341	1,170	800	96	275	49	14.44	5.75

[1] "Ending stocks available by days" is calculated by dividing the current year's total use (crush, exports, and feed, seed, and residual) by days during year to obtain a daily use. The ending stocks are then divided by the daily use to obtain stocks available by days. [2] Projection May 1988.

SOYBEANS - U.S.
ENDING STOCKS VS. PRICE/BU.



Iowa Corn
Acreage, Yield and Production, By County, 1986

County and District	Planted for all purposes Acres	Harvested for grain Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	147,000	144,700	131.6	19,036
Cherokee	126,000	122,900	134.8	16,564
Clay	122,000	119,300	136.9	16,330
Dickinson	84,000	81,900	138.5	11,345
Emmet	111,000	109,600	147.9	16,206
Lyon	146,000	140,400	134.3	18,856
O'Brien	148,000	144,700	145.7	21,079
Osceola	96,000	95,100	140.8	13,394
Palo Alto	157,000	155,800	140.2	21,846
Plymouth	218,000	209,800	121.4	25,466
Pocahontas	152,000	149,800	134.9	20,205
Sioux	214,000	207,000	130.6	27,044
NW District	1,721,000	1,681,000	135.3	227,371
Butler	158,000	155,200	134.2	20,834
Cerro Gordo	148,000	146,900	144.7	21,262
Floyd	128,000	124,900	140.9	17,597
Franklin	149,000	148,100	148.1	21,936
Hancock	152,000	151,000	149.4	22,564
Humboldt	111,000	109,900	140.2	15,413
Kossuth	239,000	237,500	152.6	36,246
Mitchell	115,000	111,600	144.2	16,098
Winnebago	112,000	110,800	142.6	15,795
Worth	104,000	102,700	141.6	14,540
Wright	140,000	139,100	150.4	20,927
NC District	1,556,000	1,537,700	145.2	223,212
Allamakee	80,000	74,000	138.7	10,267
Black Hawk	147,000	144,500	144.9	20,935
Bremer	111,000	107,900	142.5	15,381
Buchanan	167,000	164,200	145.6	23,915
Chickasaw	132,000	127,800	136.3	17,418
Clayton	164,000	157,400	146.6	23,080
Delaware	166,000	160,700	150.4	24,168
Dubuque	122,000	114,100	147.5	16,835
Fayette	175,000	169,700	143.6	24,371
Howard	107,000	104,700	132.9	13,915
Winneshiek	139,000	129,000	139.3	17,974
NE District	1,510,000	1,454,000	143.2	208,259
Audubon	113,000	110,900	126.1	13,987
Calhoun	156,000	154,500	134.6	20,796
Carroll	147,000	142,000	138.5	19,666
Crawford	151,000	149,000	126.9	18,905
Greene	127,000	125,900	138.4	17,427
Guthrie	119,000	117,600	126.0	14,814
Harrison	150,000	148,800	128.6	19,137
Ida	119,000	117,400	127.9	15,017
Monona	164,000	158,700	118.9	18,862
Sac	140,000	137,300	132.1	18,132
Shelby	174,000	171,000	128.1	21,898
Woodbury	202,000	198,900	114.2	22,709
WC District	1,762,000	1,732,000	127.8	221,350
Boone	122,000	120,700	144.9	17,495
Dallas	127,000	125,900	132.1	16,627
Grundy	145,000	142,300	125.2	17,812
Hamilton	135,000	134,200	146.8	19,706
Hardin	159,000	157,400	142.1	22,359
Jasper	158,000	155,200	127.4	19,766
Marshall	144,000	142,100	133.7	18,992
Polk	88,000	86,200	126.0	10,859
Poweshiek	114,000	112,400	121.9	13,698
Story	151,000	147,600	135.6	20,016
Tama	172,000	170,500	131.7	22,452
Webster	151,000	150,100	143.3	21,510
C District	1,666,000	1,644,600	134.6	221,292
Benton	180,000	177,000	134.3	23,779
Cedar	147,000	145,000	144.0	20,882
Clinton	196,000	190,400	135.1	25,722
Iowa	140,000	137,900	130.6	18,008
Jackson	107,000	100,700	129.8	13,067
Johnson	127,000	125,500	127.5	15,995
Jones	150,000	144,100	145.3	20,941
Linn	137,000	134,200	136.8	18,356
Muscatine	114,000	110,700	134.0	14,837
Scott	117,000	114,500	144.6	16,554
EC District	1,415,000	1,380,000	136.3	188,141
Adair	105,000	101,900	128.3	13,071
Adams	59,000	57,900	119.6	6,923
Cass	116,000	114,200	129.8	14,827
Fremont	104,000	103,100	143.2	14,759
Mills	94,000	93,400	130.2	12,163
Montgomery	80,000	79,200	129.1	10,223
Page	95,000	93,300	132.6	12,370
Pottawattamie	231,000	228,700	136.8	31,280
Taylor	76,000	75,500	115.3	8,708
SW District	960,000	947,200	131.3	124,324
Appanoose	36,000	35,400	124.2	4,397
Clarke	47,000	44,700	100.5	4,493
Decatur	60,000	57,800	117.4	6,786
Lucas	45,000	42,400	117.8	4,995
Madison	96,000	94,700	128.3	12,151
Marion	86,000	84,700	129.8	10,995
Monroe	42,000	39,800	112.8	4,491
Ringgold	65,000	63,100	111.3	7,026
Union	61,000	60,200	108.5	6,530
Warren	98,000	96,900	136.9	13,262
Wayne	74,000	72,500	117.5	8,521
SC District	710,000	692,200	120.8	83,647
Davis	55,000	53,500	108.4	5,798
Des Moines	93,000	91,600	147.1	13,475
Henry	87,000	86,200	131.4	11,328
Jefferson	84,000	82,300	133.3	10,967
Keokuk	126,000	124,800	132.8	16,568
Lee	94,000	92,600	131.8	12,207
Louisa	91,000	90,000	133.9	12,049
Mahaska	115,000	110,700	126.6	14,019
Van Buren	60,000	57,900	109.8	6,360
Wapello	52,000	50,400	130.5	6,575
Washington	143,000	141,300	140.2	19,808
SE District	1,000,000	981,300	131.6	129,154
State	12,300,000	12,050,000	135.0	1,626,750

Iowa Agricultural Statistics

Iowa Corn
Acreage, Yield and Production, By County, 1987[1]

County and District	Planted for all purposes Acres	Harvested for grain Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	121,000	118,400	133.7	15,833
Cherokee	108,000	105,600	128.4	13,561
Clay	106,000	103,000	140.0	14,420
Dickinson	68,000	66,800	132.6	8,855
Emmet	88,000	87,100	141.9	12,360
Lyon	123,000	115,600	122.3	14,138
O'Brien	125,000	122,700	133.8	16,416
Osceola	84,000	82,800	139.9	11,583
Palo Alto	131,000	129,800	140.6	18,250
Plymouth	185,000	181,200	119.0	21,571
Pocahontas	123,000	121,300	135.8	16,477
Sioux	184,000	173,700	116.2	20,184
NW District	1,446,000	1,408,000	130.4	183,648
Butler	127,000	124,600	127.1	15,837
Cerro Gordo	124,000	123,200	131.3	16,170
Floyd	104,000	101,800	128.5	13,084
Franklin	132,000	131,100	140.5	18,420
Hancock	121,000	119,600	136.6	16,338
Humboldt	92,000	90,800	140.0	12,714
Kossuth	204,000	202,700	143.5	29,[illegible]87
Mitchell	94,000	90,700	127.6	11,574
Winnebago	90,000	89,200	135.4	12,076
Worth	82,000	81,100	138.2	11,204
Wright	121,000	120,200	143.8	17,280
NC District	1,291,000	1,275,000	136.3	173,784
Allamakee	66,000	61,000	145.5	8,876
Black Hawk	119,000	117,600	143.7	16,901
Bremer	90,000	88,000	135.0	11,878
Buchanan	145,000	143,300	144.2	20,669
Chickasaw	110,000	107,500	132.7	14,261
Clayton	135,000	127,100	145.1	18,438
Delaware	148,000	144,800	139.6	20,213
Dubuque	108,000	102,700	133.3	13,694
Fayette	147,000	140,100	143.2	20,065
Howard	86,000	82,800	132.8	10,994
Winneshiek	116,000	105,100	137.1	14,413
NE District	1,270,000	1,220,000	139.7	170,402
Audubon	97,000	94,800	135.7	12,860
Calhoun	134,000	133,000	146.7	19,511
Carroll	126,000	123,200	137.4	16,930
Crawford	133,000	131,400	136.7	17,958
Greene	109,000	108,200	148.8	16,097
Guthrie	97,000	96,300	134.2	12,924
Harrison	129,000	127,400	138.2	17,612
Ida	99,000	96,700	127.6	12,339
Monona	132,000	126,300	125.6	15,864
Sac	116,000	114,600	139.2	15,957
Shelby	140,000	135,800	130.4	17,708
Woodbury	166,000	162,300	122.1	19,824
WC District	1,478,000	1,450,000	134.9	195,584
Boone	103,000	101,100	143.5	14,510
Dallas	104,000	103,500	139.4	14,433
Grundy	126,000	123,900	129.1	15,992
Hamilton	120,000	119,400	140.9	16,823
Hardin	128,000	126,400	141.4	17,871
Jasper	129,000	127,400	138.7	17,675

County and District	Planted for all purposes Acres	Harvested for grain Acres	Yield per acre Bu.	Production 000/bu.
Marshall	120,000	119,000	142.4	16,950
Polk	76,000	75,500	144.3	10,897
Poweshiek	98,000	96,100	130.2	12,512
Story	121,000	118,700	144.7	17,170
Tama	136,000	133,700	137.8	18,420
Webster	131,000	130,300	143.1	18,650
C District	1,392,000	1,375,000	139.6	191,903
Benton	155,000	151,000	135.3	20,424
Cedar	133,000	131,300	114.3	15,008
Clinton	173,000	166,800	106.5	17,762
Iowa	120,000	116,300	122.1	14,204
Jackson	89,000	82,500	116.0	9,566
Johnson	105,000	102,500	109.0	11,173
Jones	126,000	119,300	125.2	14,931
Linn	115,000	113,200	126.3	14,295
Muscatine	98,000	94,700	93.2	8,822
Scott	107,000	105,400	122.3	12,892
EC District	1,221,000	1,183,000	117.6	139,077
Adair	88,000	85,100	132.8	11,299
Adams	47,000	46,200	121.7	5,623
Cass	103,000	100,200	137.8	13,804
Fremont	90,000	85,200	122.6	10,446
Mills	78,000	76,800	128.4	9,864
Montgomery	70,000	69,000	123.2	8,499
Page	77,000	74,700	114.1	8,524
Pottawattamie	190,000	186,600	136.9	25,540
Taylor	60,000	59,200	113.0	6,690
SW District	803,000	783,000	128.1	100,289
Appanoose	26,000	25,300	111.7	2,826
Clarke	35,000	32,500	104.1	3,383
Decatur	44,000	41,000	107.2	4,396
Lucas	35,000	31,700	104.7	3,319
Madison	75,000	73,300	120.1	8,803
Marion	77,000	75,700	129.4	9,793
Monroe	33,000	31,800	112.3	3,572
Ringgold	52,000	50,800	113.4	5,761
Union	49,000	48,300	117.8	5,690
Warren	78,000	76,800	127.3	9,778
Wayne	56,000	54,800	115.0	6,302
SC District	560,000	542,000	117.4	63,623
Davis	42,000	40,200	93.0	3,739
Des Moines	75,000	72,100	96.0	6,922
Henry	75,000	74,000	102.3	7,567
Jefferson	68,000	66,100	104.0	6,874
Keokuk	104,000	102,600	126.5	12,977
Lee	81,000	78,700	94.3	7,424
Louisa	80,000	78,400	92.9	7,281
Mahaska	100,000	95,200	133.1	12,672
Van Buren	51,000	47,600	102.2	4,867
Wapello	45,000	43,100	113.3	4,882
Washington	118,000	116,000	111.9	12,985
SE District	839,000	814,000	108.3	88,190
State	10,300,000	10,050,000	130.0	1,306,500

Iowa Agricultural Statistics

[1] Preliminary

Iowa Corn Silage
Acreage, Yield and Production, By County, 1986

County and District	Planted for all purposes Acres	Harvested for silage Acres	Yield per acre Tons	Production 000/ton
Buena Vista	147,000	1,600	15.0	24
Cherokee	126,000	2,900	14.1	41
Clay	122,000	2,500	21.6	54
Dickinson	84,000	1,600	15.0	24
Emmet	111,000	1,200	20.8	25
Lyon	146,000	4,600	15.0	69
O'Brien	148,000	2,700	17.0	46
Osceola	96,000	700	21.4	15
Palo Alto	157,000	900	20.0	18
Plymouth	218,000	5,900	15.3	90
Pocahontas	152,000	1,000	19.0	19
Sioux	214,000	6,400	15.5	99
NW District	1,721,000	32,000	16.4	524
Butler	158,000	2,000	13.5	27
Cerro Gordo	148,000	600	16.7	10
Floyd	128,000	2,800	19.6	55
Franklin	149,000	700	12.9	9
Hancock	152,000	800	20.0	16
Humboldt	111,000	600	18.3	11
Kossuth	239,000	1,300	16.9	22
Mitchell	115,000	3,100	15.8	49
Winnebago	112,000	600	18.3	11
Worth	104,000	1,200	17.5	21
Wright	140,000	600	16.7	10
NC District	1,556,000	14,300	16.9	241
Allamakee	80,000	5,100	14.9	76
Black Hawk	147,000	1,300	20.8	27
Bremer	111,000	2,800	18.2	51
Buchanan	167,000	2,400	17.5	42
Chickasaw	132,000	4,000	18.0	72
Clayton	164,000	5,400	19.6	106
Delaware	166,000	4,900	19.0	93
Dubuque	122,000	7,500	19.6	147
Fayette	175,000	5,000	18.0	90
Howard	107,000	1,900	15.8	30
Winneshiek	139,000	9,700	17.2	167
NE District	1,510,000	50,000	18.0	901
Audubon	113,000	1,900	15.8	30
Calhoun	156,000	700	17.1	12
Carroll	147,000	4,400	18.0	79
Crawford	151,000	1,700	17.6	30
Greene	127,000	600	16.7	10
Guthrie	119,000	900	20.0	18
Harrison	150,000	900	15.6	14
Ida	119,000	1,400	15.0	21
Monona	164,000	4,500	16.4	74
Sac	140,000	2,100	12.9	27
Shelby	174,000	2,600	21.2	55
Woodbury	202,000	2,300	14.3	33
WC District	1,762,000	24,000	16.8	403
Boone	122,000	1,000	19.0	19
Dallas	127,000	600	15.0	9
Grundy	145,000	1,600	21.3	34
Hamilton	135,000	600	18.3	11
Hardin	159,000	1,200	21.7	26
Jasper	158,000	2,400	22.1	53
Marshall	144,000	1,400	20.0	28
Polk	88,000	500	18.0	9
Poweshiek	114,000	1,200	20.0	24
Story	151,000	2,700	17.0	46
Tama	172,000	1,500	18.0	27
Webster	151,000	700	15.7	11
C District	1,066,000	15,400	19.3	297
Benton	180,000	2,200	17.7	39
Cedar	147,000	1,200	15.8	19
Clinton	196,000	3,700	17.3	64
Iowa	140,000	1,600	16.9	27
Jackson	107,000	4,800	16.3	78
Johnson	127,000	1,300	14.6	19
Jones	150,000	4,800	16.5	79
Linn	137,000	2,300	17.8	41
Muscatine	114,000	3,000	17.0	51
Scott	117,000	2,100	14.3	30
EC District	1,415,000	27,000	16.6	447
Adair	105,000	2,500	17.2	43
Adams	59,000	600	13.3	8
Cass	116,000	1,500	18.0	27
Fremont	104,000	500	16.0	8
Mills	94,000	400	15.0	6
Montgomery	80,000	600	16.7	10
Page	95,000	1,500	16.7	25
Pottawattamie	231,000	1,800	20.6	37
Taylor	76,000	400	15.0	6
SW District	960,000	9,800	17.3	170
Appanoose	36,000	500	12.0	6
Clarke	47,000	1,400	14.3	20
Decatur	60,000	1,900	16.8	32
Lucas	45,000	2,300	13.0	30
Madison	96,000	1,000	14.0	14
Marion	86,000	800	18.8	15
Monroe	42,000	1,900	17.4	33
Ringgold	65,000	1,700	15.9	27
Union	61,000	600	11.7	7
Warren	98,000	900	16.7	15
Wayne	74,000	800	15.0	12
SC District	710,000	13,800	15.3	211
Davis	55,000	900	11.1	10
Des Moines	93,000	1,100	17.3	19
Henry	87,000	400	12.5	5
Jefferson	84,000	1,000	12.0	12
Keokuk	126,000	700	15.7	11
Lee	94,000	1,100	12.7	14
Louisa	91,000	400	12.5	5
Mahaska	115,000	3,800	18.9	72
Van Buren	60,000	2,000	12.0	24
Wapello	52,000	1,300	12.3	16
Washington	143,000	1,000	18.0	18
SE District	1,000,000	13,700	15.0	206
State	12,300,000	200,000	17.0	3,400

Iowa Agricultural Statistics

Iowa Corn Silage
Acreage, Yield and Production, By County, 1987[1]

County and District	Planted for all purposes Acres	Harvested for silage Acres	Yield per acre Tons	Production 000/ton
Buena Vista	121,000	2,500	15.2	38
Cherokee	108,000	1,800	16.1	29
Clay	106,000	2,900	19.7	57
Dickinson	68,000	1,000	13.0	13
Emmet	88,000	800	17.5	14
Lyon	123,000	7,300	15.5	113
O'Brien	125,000	2,200	16.4	36
Osceola	84,000	1,000	19.0	19
Palo Alto	131,000	1,100	17.3	19
Plymouth	185,000	3,600	13.1	47
Pocahontas	123,000	600	18.3	11
Sioux	184,000	10,200	13.5	138
NW District	1,446,000	35,000	15.3	534
Butler	127,000	2,100	13.8	29
Cerro Gordo	124,000	500	16.0	8
Floyd	104,000	2,100	16.2	34
Franklin	132,000	600	15.0	9
Hancock	121,000	1,200	19.2	23
Humboldt	92,000	900	14.4	13
Kossuth	204,000	900	14.4	13
Mitchell	94,000	3,300	17.6	58
Winnebago	90,000	800	15.0	12
Worth	82,000	900	18.9	17
Wright	121,000	700	17.1	12
NC District	1,291,000	14,000	16.3	228
Allamakee	66,000	4,900	16.9	83
Black Hawk	119,000	1,200	20.8	25
Bremer	90,000	1,700	19.4	33
Buchanan	145,000	1,600	18.1	29
Chickasaw	110,000	2,400	13.8	33
Clayton	135,000	6,600	17.1	113
Delaware	148,000	3,000	18.7	56
Dubuque	108,000	4,900	18.6	91
Fayette	147,000	6,500	18.9	123
Howard	86,000	2,800	13.6	38
Winneshiek	116,000	10,400	18.3	190
NE District	1,270,000	46,000	17.7	814
Audubon	97,000	1,900	15.3	29
Calhoun	134,000	600	15.0	9
Carroll	126,000	2,700	15.2	41
Crawford	133,000	1,400	16.4	23
Greene	109,000	700	17.1	12
Guthrie	97,000	600	18.3	11
Harrison	129,000	1,300	14.6	19
Ida	99,000	2,200	14.1	31
Monona	132,000	5,600	15.2	85
Sac	116,000	1,300	15.4	20
Shelby	140,000	4,100	17.8	73
Woodbury	166,000	3,600	14.4	52
WC District	1,478,000	26,000	15.6	405
Boone	103,000	1,500	16.0	24
Dallas	104,000	500	18.0	9
Grundy	126,000	2,000	19.5	39
Hamilton	120,000	500	14.0	7
Hardin	128,000	1,500	18.7	28
Jasper	129,000	1,500	18.0	27
Marshall	120,000	900	18.9	17
Polk	76,000	400	20.0	8
Poweshiek	98,000	1,900	19.5	37
Story	121,000	1,700	16.5	28
Tama	136,000	2,000	18.5	37
Webster	131,000	600	16.7	10
C District	1,392,000	15,000	18.1	271
Benton	155,000	3,500	19.7	69
Cedar	133,000	1,300	12.3	16
Clinton	173,000	5,600	16.1	90
Iowa	120,000	2,500	18.4	46
Jackson	89,000	6,200	13.2	82
Johnson	105,000	1,900	13.7	26
Jones	126,000	6,300	17.6	111
Linn	115,000	1,400	14.3	20
Muscatine	98,000	3,000	14.0	42
Scott	107,000	1,300	18.5	24
EC District	1,221,000	33,000	15.9	526
Adair	88,000	2,600	16.9	44
Adams	47,000	600	16.7	10
Cass	103,000	2,400	14.2	34
Fremont	90,000	800	15.0	12
Mills	78,000	600	13.3	8
Montgomery	70,000	600	16.7	10
Page	77,000	2,000	15.5	31
Pottawattamie	190,000	2,800	17.5	49
Taylor	60,000	600	13.3	8
SW District	803,000	13,000	15.8	206
Appanoose	26,000	700	15.7	11
Clarke	35,000	2,200	15.0	33
Decatur	44,000	3,000	14.7	44
Lucas	35,000	3,100	13.9	43
Madison	75,000	1,600	16.9	27
Marion	77,000	1,200	17.5	21
Monroe	33,000	1,200	12.5	15
Ringgold	52,000	1,100	16.4	18
Union	49,000	700	15.7	11
Warren	78,000	1,100	18.2	20
Wayne	56,000	1,100	14.5	16
SC District	560,000	17,000	15.2	259
Davis	42,000	1,400	12.1	17
Des Moines	75,000	2,200	12.7	28
Henry	75,000	800	10.0	8
Jefferson	68,000	1,600	9.4	15
Keokuk	104,000	1,100	12.7	14
Lee	81,000	2,000	12.5	25
Louisa	80,000	800	8.8	7
Mahaska	100,000	4,500	18.0	81
Van Buren	51,000	3,200	14.1	45
Wapello	45,000	1,800	11.1	20
Washington	118,000	1,600	10.6	17
SE District	839,000	21,000	13.2	277
State	10,300,000	220,000	16.0	3,520

Iowa Agricultural Statistics

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[1] Preliminary.

Iowa Soybeans
Acreage, Yield and Production, By County, 1986[1]

County and District	Planted for all purposes Acres	Harvested for beans Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	127,000	126,900	42.0	5,331
Cherokee	103,000	102,900	45.4	4,673
Clay	131,000	130,800	38.6	5,052
Dickinson	73,600	73,400	39.3	2,885
Emmet	93,800	93,400	42.8	4,000
Lyon	112,000	111,900	39.9	4,465
O'Brien	136,000	135,900	41.8	5,649
Osceola	94,600	93,800	37.6	3,526
Palo Alto	134,000	133,600	42.0	5,609
Plymouth	131,000	130,500	43.3	5,653
Pocahontas	149,000	148,000	40.2	5,949
Sioux	121,000	120,900	44.9	5,430
NW District	1,406,000	1,402,000	41.5	58,222
Butler	93,300	93,200	42.5	3,959
Cerro Gordo	120,000	119,700	41.2	4,927
Floyd	108,000	107,800	39.3	4,238
Franklin	139,000	138,700	43.4	6,014
Hancock	135,000	134,900	41.2	5,558
Humboldt	106,000	105,600	40.2	4,245
Kossuth	274,000	271,200	42.2	11,440
Mitchell	80,200	80,100	40.3	3,232
Winnebago	99,000	97,700	37.7	3,685
Worth	85,500	85,400	39.2	3,351
Wright	161,000	159,700	41.8	6,680
NC District	1,401,000	1,394,000	41.1	57,329
Allamakee	4,200	4,200	38.3	161
Black Hawk	91,400	89,800	45.3	4,068
Bremer	61,100	60,900	43.2	2,633
Buchanan	65,800	65,600	43.9	2,882
Chickasaw	63,000	62,800	38.3	2,406
Clayton	5,200	5,100	38.6	197
Delaware	27,400	27,300	45.1	1,232
Dubuque	3,000	3,000	44.7	134
Fayette	77,100	76,800	42.4	3,259
Howard	78,500	78,300	35.4	2,770
Winneshiek	18,300	18,200	39.8	724
NE District	495,000	492,000	41.6	20,466
Audubon	70,800	70,600	40.8	2,882
Calhoun	145,000	144,600	41.7	6,031
Carroll	105,000	104,400	44.5	4,647
Crawford	93,900	93,700	43.8	4,108
Greene	141,000	139,800	42.7	5,975
Guthrie	72,900	71,900	40.0	2,876
Harrison	108,000	106,100	40.0	4,246
Ida	74,300	74,000	45.6	3,371
Monona	109,000	108,700	40.1	4,360
Sac	124,000	123,500	44.9	5,542
Shelby	88,700	88,500	44.7	3,955
Woodbury	93,400	93,200	38.7	3,610
WC District	1,226,000	1,219,000	42.3	51,603
Boone	116,000	114,800	42.3	4,858
Dallas	109,000	108,100	41.2	4,452
Grundy	120,000	119,700	46.0	5,509
Hamilton	128,000	127,300	41.5	5,279
Hardin	119,000	118,700	44.9	5,332
Jasper	113,000	112,500	40.3	4,539
Marshall	94,500	94,300	45.0	4,247
Polk	82,600	81,000	40.4	3,276
Poweshiek	88,900	88,700	39.1	3,471
Story	128,000	125,700	40.1	5,046
Tama	113,000	112,500	44.4	4,991
Webster	173,000	172,700	42.5	7,343
C District	1,385,000	1,376,000	42.4	58,343
Benton	130,000	129,300	43.9	5,680
Cedar	79,500	79,100	42.9	3,392
Clinton	76,900	76,200	41.3	3,150
Iowa	55,900	55,700	39.7	2,212
Jackson	9,500	9,400	38.5	362
Johnson	59,900	59,700	38.9	2,323
Jones	43,200	43,000	43.0	1,847
Linn	92,000	91,600	41.1	3,763
Muscatine	58,400	57,500	40.5	2,331
Scott	46,700	46,500	46.9	2,181
EC District	652,000	648,000	42.0	27,241
Adair	69,400	69,200	42.0	2,906
Adams	52,900	52,500	40.0	2,098
Cass	78,200	78,000	42.5	3,318
Fremont	110,000	106,700	44.9	4,791
Mills	98,700	97,900	41.8	4,093
Montgomery	78,600	78,300	41.9	3,277
Page	88,000	87,500	43.1	3,771
Pottawattamie	161,000	159,800	44.1	7,047
Taylor	75,200	74,100	35.9	2,663
SW District	812,000	804,000	42.2	33,964
Appanoose	29,400	29,200	37.6	1,099
Clarke	33,600	31,900	29.3	934
Decatur	40,600	40,500	39.0	1,579
Lucas	26,600	26,500	35.7	945
Madison	57,300	57,200	41.3	2,360
Marion	57,800	57,600	40.6	2,336
Monroe	22,800	22,700	36.9	838
Ringgold	55,500	55,400	35.2	1,951
Union	36,200	36,100	34.2	1,236
Warren	50,800	50,600	40.6	2,055
Wayne	50,400	50,300	37.9	1,908
SC District	461,000	458,000	37.6	17,241
Davis	44,600	44,400	35.7	1,584
Des Moines	47,900	47,800	43.2	2,066
Henry	64,900	64,000	42.1	2,692
Jefferson	69,800	69,500	37.6	2,611
Keokuk	64,700	63,500	41.0	2,604
Lee	63,400	63,000	38.4	2,421
Louisa	58,600	58,400	39.3	2,296
Mahaska	83,800	83,300	41.7	3,477
Van Buren	47,800	47,700	36.0	1,719
Wapello	46,200	45,500	39.9	1,815
Washington	70,300	69,900	42.6	2,981
SE District	662,000	657,000	40.0	26,266
State	8,500,000	8,450,000	41.5	350,675

[1] Revised 11/87

Iowa Agricultural Statistics

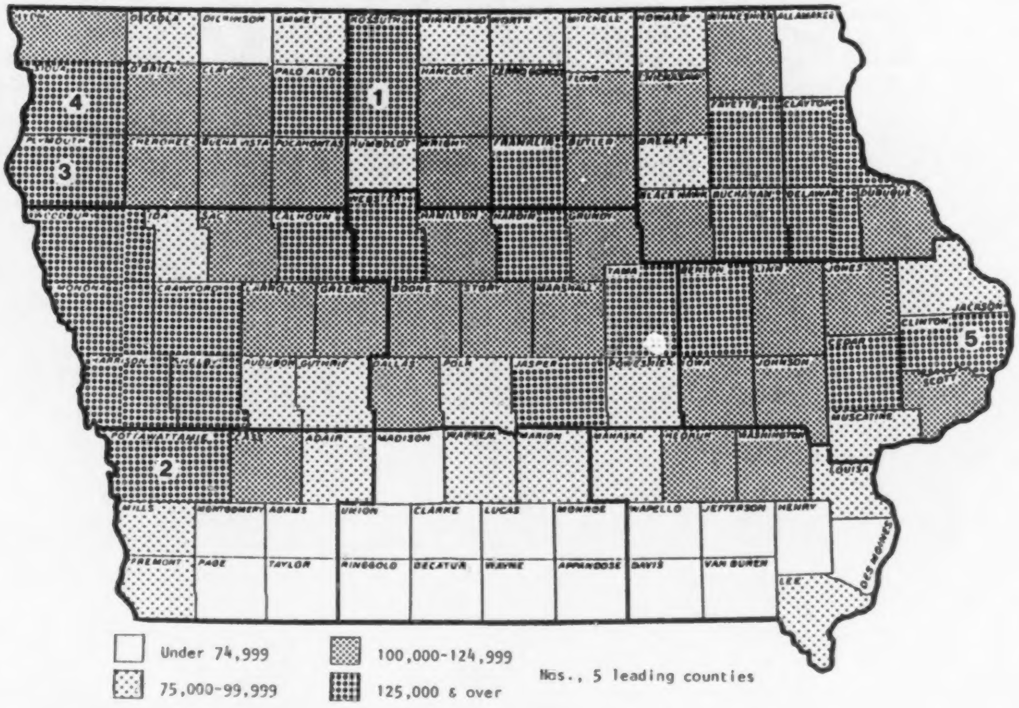
Iowa Soybeans
Acreage, Yield and Production, By County, 1987[1]

County and District	Planted for all purposes Acres	Harvested for beans Acres	Yield per acre Bu.	Production 000/bu.
Buena Vista	119,000	117,900	42.4	4,995
Cherokee	92,800	92,400	44.0	4,063
Clay	122,000	121,500	42.2	5,133
Dickinson	72,100	71,500	41.0	2,928
Emmet	92,000	91,600	43.8	4,015
Lyon	102,000	101,400	42.0	4,255
O'Brien	124,000	123,400	43.5	5,371
Osceola	93,100	92,700	43.6	4,045
Palo Alto	124,000	123,400	44.8	5,530
Plymouth	121,000	120,200	43.5	5,230
Pocahontas	141,000	137,500	37.7	5,189
Sioux	118,000	117,500	44.6	5,236
NW District	1,321,000	1,311,000	42.7	55,990
Butler	86,000	85,700	44.5	3,816
Cerro Gordo	109,000	108,500	43.4	4,709
Floyd	100,000	99,700	43.2	4,310
Franklin	128,000	127,600	44.8	5,719
Hancock	125,000	124,300	43.0	5,351
Humboldt	100,000	99,700	45.2	4,506
Kossuth	254,000	253,000	45.3	11,469
Mitchell	78,600	78,300	42.8	3,355
Winnebago	90,400	90,100	39.4	3,550
Worth	80,000	79,700	42.6	3,399
Wright	156,000	154,400	44.4	6,852
NC District	1,307,000	1,301,000	43.8	57,036
Allamakee	3,600	3,600	43.1	155
Black Hawk	91,400	91,100	49.7	4,531
Bremer	58,600	58,400	44.3	2,589
Buchanan	64,000	63,600	48.1	3,060
Chickasaw	54,600	54,400	42.1	2,292
Clayton	4,600	4,600	47.0	216
Delaware	25,500	25,400	49.8	1,265
Dubuque	2,600	2,600	49.2	128
Fayette	75,000	74,600	46.7	3,483
Howard	66,800	66,500	43.0	2,861
Winneshiek	17,300	17,200	44.2	761
NE District	464,000	462,000	46.2	21,341
Audubon	63,700	63,500	45.6	2,895
Calhoun	141,000	140,400	47.0	6,593
Carroll	97,700	97,400	45.2	4,406
Crawford	84,400	82,800	41.6	3,442
Greene	135,000	133,300	48.0	6,404
Guthrie	65,600	65,300	44.7	2,916
Harrison	98,500	98,100	40.3	3,956
Ida	70,500	70,300	43.1	3,030
Monona	102,000	100,500	41.6	4,182
Sac	113,000	112,400	44.5	4,997
Shelby	83,500	83,200	44.1	3,667
Woodbury	84,100	83,800	40.1	3,362
WC District	1,139,000	1,131,000	44.1	49,850
Boone	110,000	109,600	46.3	5,073
Dallas	101,000	100,600	46.0	4,629
Grundy	117,000	116,600	49.8	5,805
Hamilton	119,000	118,600	42.8	5,076
Hardin	109,000	108,600	46.9	5,094
Jasper	109,000	107,100	46.8	5,008
Marshall	87,700	87,400	50.5	4,413
Polk	74,400	74,100	46.4	3,441
Poweshiek	79,900	79,600	47.2	3,757
Story	120,000	119,600	47.7	5,701
Tama	108,000	107,600	47.8	5,145
Webster	166,000	164,600	44.0	7,241
C District	1,301,000	1,294,000	46.7	60,383
Benton	125,000	124,400	48.2	6,002
Cedar	73,200	72,900	46.4	3,383
Clinton	68,000	67,700	45.2	3,061
Iowa	47,600	47,400	44.1	2,089
Jackson	8,100	8,100	46.7	378
Johnson	58,300	58,000	40.0	2,321
Jones	41,900	41,700	46.5	1,939
Linn	87,700	87,300	45.8	4,001
Muscatine	52,800	52,400	39.4	2,063
Scott	45,400	45,100	47.3	2,132
EC District	608,000	605,000	45.2	27,369
Adair	60,000	59,700	43.4	2,588
Adams	46,300	46,100	41.3	1,902
Cass	70,300	69,900	43.5	3,038
Fremont	106,000	103,700	39.9	4,138
Mills	96,200	95,600	38.2	3,648
Montgomery	74,600	74,100	37.1	2,746
Page	84,000	83,600	37.2	3,113
Pottawattamie	157,000	155,900	41.0	6,390
Taylor	67,600	67,400	36.8	2,477
SW District	762,000	756,000	39.7	30,040
Appanoose	28,300	28,100	40.7	1,145
Clarke	28,600	27,900	37.4	1,044
Decatur	37,200	36,900	39.0	1,439
Lucas	25,400	25,200	38.8	978
Madison	54,600	53,900	42.8	2,306
Marion	54,200	53,800	43.8	2,358
Monroe	22,400	22,200	40.8	905
Ringgold	50,000	48,800	39.1	1,907
Union	32,900	32,700	43.9	1,435
Warren	50,800	50,200	42.6	2,141
Wayne	43,600	43,300	37.2	1,612
SC District	428,000	423,000	40.8	17,270
Davis	41,500	41,300	37.3	1,541
Des Moines	44,700	43,900	37.8	1,661
Henry	62,300	62,100	39.0	2,419
Jefferson	64,600	64,100	37.4	2,399
Keokuk	59,600	59,400	45.7	2,712
Lee	61,000	60,800	34.0	2,068
Louisa	53,700	53,500	34.3	1,836
Mahaska	76,800	76,500	44.1	3,376
Van Buren	43,300	43,200	36.5	1,576
Wapello	45,000	44,900	40.8	1,832
Washington	67,500	67,300	43.8	2,951
SE District	620,000	617,000	39.5	24,371
State	7,950,000	7,900,000	43.5	343,650

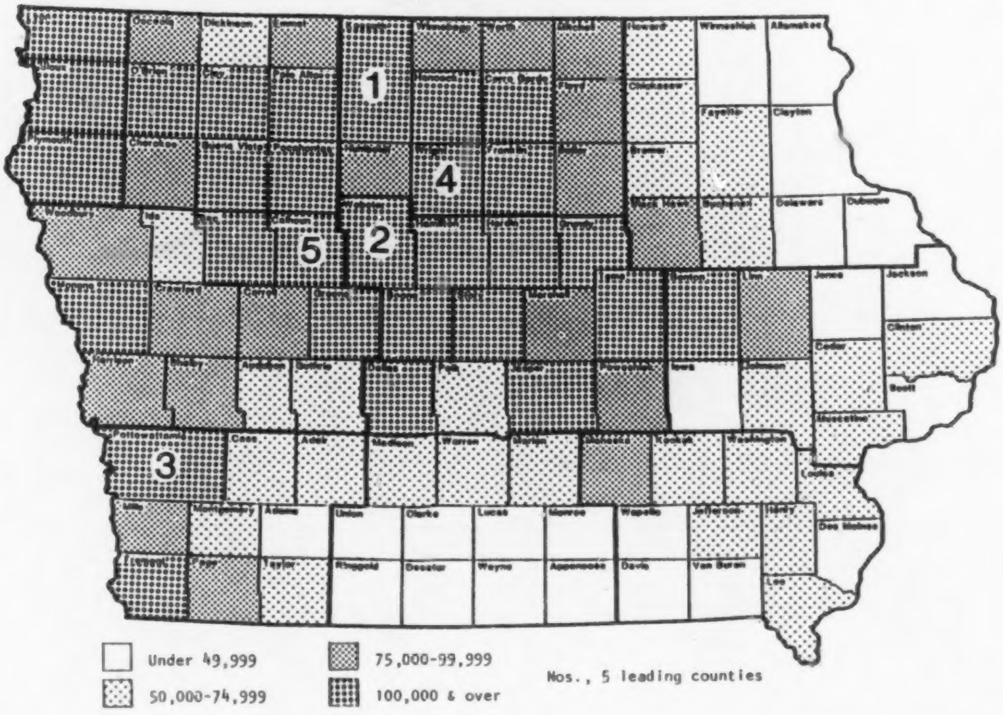
[1] Preliminary

Iowa Agricultural Statistics

Iowa Corn: Acres Harvested For Grain, 1987


1
2
3
4
5
Under 74,999
75,000-99,999
100,000-124,999
125,000 & over
Nos., 5 leading counties

Iowa Soybeans: Acres Harvested For Beans, 1987


1
2
3
4
5
Under 49,999
50,000-74,999
75,000-99,999
100,000 & over
Nos., 5 leading counties

Iowa Fertilizer Distribution

Fertilizer	July '86-Dec. '86	Jan. '87-June '87	July '87-Dec. '87
Most popular straight materials			
Anhydrous ammonia	61,470	526,631	140,007
Ammonium nitrate	3,736	25,786	7,542
Ammonium sulphate	1,759	6,126	2,036
Ammonium thiosulfate	527	4,879	1,131
Urea	34,114	146,486	56,755
Nitrogen solution 28%	140,949	351,520	122,756
Nitrogen solution 30%	20	3,288	--
Nitrogen solution 32%	17,262	95,985	42,830
Ammonium phosphates			
8 - 24 - 00 liquid	--	--	1,924 *
10 - 30 - 00 liquid	474	7,651	672
10 - 34 - 00 liquid	8,545	48,368	12,298
11 - 37 - 00 liquid	--	--	1,017 *
12 - 36 - 00 liquid	88	386	-- **
11 - 52 - 00 dry	26,399	38,886	37,488
11 - 53 - 00 dry	--	101	-- **
18 - 46 - 00 dry	119,674	236,094	225,905
Triple superphosphate	18,021	24,150	34,974
Phosphoric acid 54%	135	773	303
Muriate of potash	235,119	388,502	374,877
Other straight materials	8,582	32,928	20,232
Other straight materials w/micro	174	2,317	143
Total straight material	**677,046**	**1,940,858**	**1,082,890**
Most popular mixed grades & suspensions			
2 - 6 - 35 suspension	894	16,878	3,356
3 - 9 - 27 suspension	52	8,609	205
3 - 9 - 32 suspension	398	4,181	-- **
3 - 10 - 30 suspension	4,921	36,278	9,382
7 - 21 - 7 liquid	278	18,971	407
7 - 23 - 5 liquid	203	5,884	207
9 - 18 - 9 liquid	2,043	7,375	587
6 - 24 - 24 dry	1,387	12,634	2,314
8 - 32 - 16 dry	294	6,228	1,024
9 - 23 - 30 dry	438	7,102	1,002
10 - 20 - 20 dry	--	--	596 *
20 - 10 - 10 dry	1,390	5,126	245
Other mixed materials	18,478	102,503	27,172
Other mixed materials w/micro	311	11,421	3,522
Total mixed grades & suspensions	**31,087**	**243,191**	**50,019**
Grand totals	**708,132**	**2,184,049**	**1,132,909**
Dry fertilizer			
Straight materials	445,269	876,564	752,537
Mixed grades	14,954	83,980	21,579
Total dry fertilizer	**460,223**	**960,543**	**774,116**
Liquid fertilizer			
Straight materials	231,777	1,064,294	330,352
Mixed grades	5,866	64,960	8,399
Liquid suspensions	10,266	94,251	20,041
Total liquid fertilizer	**247,910**	**1,223,505**	**358,793**
Micro-nutrients			
Calcium	11	225	215
Magnesium	2	9	1
Sulfur	367	1,250	634
Boron	69	526	60
Copper	--	23	3
Iron	2	55	1
Manganese	4	6	9
Zinc	125	649	325
Gypsum	1,277	340	--
Mixed or other	377	1,779	357
Total micro-nutrients* **	**2,233**	**4,863**	**1,604**

* First time of publication. ** Publication discontinued. *** Not included in grand total.

Iowa Grain Marketings: Percent of Crop Year Total, By Months

Month	All hay		Oats		Soybeans		Corn	
	1985-86	1986-87	1985-86	1986-87	1985-86	1986-87	1985-86	1986-87
June	23	21						
July	12	9	50	45				
Aug.	11	8	17	14				
Sept.	7	6	6	5	7	4		8
Oct.	3	4	3	3	13	19	8	7
Nov.	5	4	1	1	11	10	18	8
Dec.	9	7	1	3	7	6	10	7
Jan.	9	12	5	4	12	11	10	8
Feb.	7	9	3	7	6	6	4	7
Mar.	8	12	3	4	9	7	5	8
Apr.	4	5	3	4	7	8	6	13
May	2	3	3	5	6	7	7	10
June			5	5	8	7	8	9
July					8	8	8	7
Aug.					6	7	6	8
Sept.							10	

Iowa Production, Disposition, And Value, Selected Crops

Crop year	Production	Used on farms where produced	Sold		Market Avg. price per bushel[1]	Value of production	Value of sales
			Quantity	Percent			
	1,000 bushels				Dollars	1,000 dollars	
			Corn for Grain				
1986[2]	1,626,750	520,560	1,106,190	68	1.41	2,293,718	1,559,728
1987[3]	1,306,500	522,600	783,900	60	1.70	2,221,050	1,332,630
			Oats				
1986[2]	39,060	20,702	18,358	47	1.17	45,700	21,479
1987[3]	35,750	19,662	16,088	45	1.60	57,200	25,741
			Hay[4]				
1986[2]	8,000	7,200	800	10	40.50	324,000	32,400
1987[3]	6,933	6,170	763	11	42.50	294,653	32,428
			Soybeans				
1986[2]	350,675	3,507	347,168	99.0	4.73	1,658,693	1,642,105
1987[3]	343,650	3,780	339,870	98.9	5.55	1,907,258	1,886,279
			Wheat				
1986[2]	1,680	168	1,512	90	2.30	3,864	3,478
1987[3]	1,140	125	1,015	89	2.35	2,679	2,385

[1] Series changed from season average price to market average price. Market average price does not include any added or lost value from CCC forfeitures, nor does it include any value obtained from deficiency payments. [2] Revised. [3] Preliminary.
[4] Production, utilization in 1,000 tons; season average price, dollars per ton.

LIVESTOCK

Photo Courtesy of Pioneer Hi-Bred

1987 Livestock Summary

IOWA

Iowa's cattle, hog, and sheep producers received $4.7 billion from marketings in 1987. This was up 7.0 percent from the $4.4 billion received in 1986. Cattle, hog and sheep cash receipts in 1987 from marketings and sale of farm slaughter were $1.95 billion, $2.74 billion, and $26.0 million, respectively. This compares to 1986 receipts of $1.72 billion for cattle $2.63 billion for hogs, and $25.0 million for sheep.

Cattle: Iowa producers had an estimated 4.60 million cattle and calves on farms as of January 1, 1988, down 1 percent from January 1, 1987. Cows and heifers that have calved totaled 1,500 million head, 1 percent above a year earlier. Of this total, 1.201 million head were beef cows, up 2 percent from last year, and 299,000 head were milk cows, down 3 percent from a year ago.

Heifers weighing 500 pounds or more, 883,000, were up 8 percent from the previous year. Of this total, 160,000 were beef cow replacements, 128,000 were milk cow replacements, and 595,000 were other heifers.

Steers weighing 500 pounds or more, 1.088 million head, were 2 percent above a year ago. An estimated 80,000 bulls weighing 500 pounds or more were on hand, up 14 percent from last year. Calves weighing 500 pounds or less totaled 1.049 million, down 13 percent from the last year. The estimated 1987 calf crop for Iowa is 1.490 million head, 1 percent above a year ago.

Hogs: Iowa continues to rank number one among the states in hog numbers. Hogs and pigs on hand December 1, 1987, totaled 13.8 million, or 26 percent of the nation's hogs.

The average value of hogs and pigs on hand December 1, 1987, was $78.50 per head, down $14.00 from the previous year. The total value of Iowa's December 1, 1987, hog inventory was $1,083.3 million compared to $1,165.5 million a year earlier.

The state's pork producers farrowed 2.850 million sows during 1987 (December 1986 through November 1987), 230,000 more than during 1986. The average pigs saved per litter was 7.85, resulting in a pig crop of 22.4 million, up 9 percent from the number saved in 1986.

Sheep: Sheep numbers in 1987 showed an increase from the 375,000 head on hand January 1, 1987, to 405,000 head on January 1, 1988. The inventory was valued at $40.1 million compared with $28.9 million January 1, 1987. An estimated 330,000 lambs were born during 1987, unchanged from last year.

The 495,000 sheep shorn in 1987 produced 3.424 million pounds of wool. This compares to 435,000 sheep shorn in 1986 and wool production of 3.054 million pounds. The wool was valued at $1.88 million, up from $1.37 million last year due to a price increase of 10 cents per pound.

Milk Production: Iowa dairymen produced an estimated 3.550 billion pounds of milk during 1987, down 8 percent from 1986. There was an average of 302,000 milk cows on hand during 1987, down from the 335,000 a year earlier. The annual average milk produced per cow was 11,755 pounds up from the 11,579 pound average in 1986.

Red Meat Production: Slaughter plants in Iowa produced 5.37 billion pounds of red meat (beef, veal, pork, and mutton) during 1987. This was 13 percent above the previous year.

Beef production was up 10 percent from 1986 and 9 percent above 1985, while pork production was up 14 percent from 1986 and up 2 percent from 1985. Mutton was virtually unchanged from 1986 at 63.1 million pounds.

UNITED STATES

Total marketings of meat animals increased slightly during 1987 as decreased cattle marketings were offset by larger hog and sheep marketings. With higher prices received for cattle, hogs and sheep, the resulting total cash receipts jumped to $44.7 billion, up 14 percent from 1986.

The percentage breakdown of contributions to total U.S. cash receipts from marketings of meat animals by species in 1987 were: cattle and calves, 76 percent; hogs and pigs, 23 percent; sheep and lambs, 1 percent.

Production of meat animals during 1987 totaled 61.4 billion pounds, up 1 percent from the 1986 production of 60.6 billion pounds. The value of meat animal production was $35.6 billion in 1987 compared with $30.9 billion in 1986.

Cattle and Calves: Cash receipts from marketings of cattle and calves increased during 1987, as higher prices more than offset a decrease in marketings. For 1987, cash receipts from the sale of cattle and calves totaled $33.8 billion compared with $28.9 billion in 1986.

All cattle and calf marketings during 1987 totaled 55.1 billion pounds, down 1 percent from 55.4 billion pounds in 1986. The U.S. annual average price for cattle at $61.10 per 100 pounds live weight was up 16 percent from 1986. The calf price for 1987, at $78.50, was up 28 percent.

Hogs and Pigs: Cash receipts for hogs and pigs were $10.3 billion during 1987, 6 percent above 1986. Marketings of 20.0 billion pounds during 1987 were 2 percent above 1986, while the U.S. annual average price per 100 pounds of live weight increased 4 percent from $49.30 in 1986 to $51.20 in 1987.

Sheep and Lambs: Cash receipts from marketings of sheep and lambs in 1987 totaled $560 million, up 16 percent from 1986. The average price of sheep in 1987 was $29.50 per 100 pounds of live weight, up from $25.60 in 1986. Lamb prices increased from $69.00 in 1986 to $77.60 in 1987.

Livestock: Number On Farms, By Class and Specie, January 1

Specie and Class	1983	1984	1985	1986	1987	1988[1]
	----------------	----------------	Thousand head	----------------	----------------	----------------
IOWA						
All Cattle	6,350	5,900	5,600	4,950	4,650	4,600
Beef cows and heifers that have calved	1,518	1,417	1,305	1,190	1,182	1,201
Milk cows and heifers that have calved	362	358	345	360	308	299
Beef replacement heifers 500+ pounds	184	160	150	125	140	160
Milk replacement heifers 500+ pounds	133	135	130	145	125	128
Other heifers 500+ pounds	845	755	670	605	550	595
Steers 500+ pounds	1,575	1,500	1,425	1,170	1,065	1,088
Bulls 500+ pounds	87	79	75	75	70	80
Steers, heifers, and bulls under 500 pounds	1,646	1,496	1,500	1,280	1,210	1,049
All hogs[2]	14,400	15,000	14,200	13,500	12,600	13,800
Kept for breeding	1,786	1,820	1,730	1,650	1,585	1,660
Market hogs	12,614	13,180	12,470	11,850	11,015	12,140
Under 60 pounds	5,008	5,021	4,726	4,340	4,200	4,370
60-119 pounds	3,179	3,493	3,242	3,200	2,840	3,130
120-179 pounds	2,573	2,755	2,569	2,460	2,265	2,500
180 pounds and over	1,854	1,911	1,933	1,850	1,710	2,140
All sheep	457	425	360	350	375	405
Sheep and lambs on feed	117	105	80	70	65	70
Stock sheep	340	320	280	280	310	335
Ewe lambs	47	39	33	33	36	41
Wether and ram lambs	12	9	7	7	8	5
Ewes 1 year or older	270	260	230	230	255	277
Rams and wethers 1 year or older	11	12	10	10	11	12
All chickens[2,3]	10,300	10,200	9,700	8,100	7,700	8,400
All turkeys	6,710	5,800	5,900	6,300	7,000	8,500
All mink (Females)	45.6	45.5	46.2	46.2	43.4	47.0
UNITED STATES						
All cattle	115,001	113,700	109,749	105,468	102,000	98,994
Beef cows and heifers that have calved	37,940	37,494	35,370	33,633	33,779	32,958
Milk cows and heifers that have calved	11,047	11,109	10,805	11,177	10,502	10,307
Feeb replacement heifers 500+ pounds	6,336	6,183	5,542	5,149	5,164	5,155
Milk replacement heifers 500+ pounds	4,545	4,532	4,760	4,761	4,331	4,111
Other heifers 500+ pounds	7,965	7,851	8,056	8,090	7,561	7,812
Steers 500+ pounds	16,214	16,371	16,369	15,967	15,304	15,592
Bulls 500+ pounds	2,609	2,549	2,411	2,261	2,204	2,163
Steers, heifers, and bulls under 500 pounds	28,346	27,611	26,436	24,431	23,154	20,895
All hogs[2]	54,534	56,694	54,073	52,313	50,920	53,795
Kept for breeding	7,475	7,391	6,933	6,783	6,671	7,021
Market hogs	47,059	49,303	47,140	45,530	44,250	46,774
Under 60 pounds	18,830	19,028	18,071	17,1301	16,756	17,230
60-199 pounds	11,942	12,626	12,013	11,700	11,228	11,902
120-179 pounds	9,375	9,985	9,610	9,320	9,106	9,625
180 pounds and over	6,912	7,664	7,446	7,210	7,159	8,017
All sheep	12,140	11,487	10,443	9,983	10,334	10,774
Sheep and lambs on feed	1,661	1,718	1,596	1,492	1,508	1,781
Stock sheep	10,479	9,769	8,847	8,491	8,826	8,993
Ewe lambs	1,420	1,237	1,016	1,048	1,296	1,266
Wether and ram lambs	343	318	284	318	363	324
Ewes 1 year or older	8,343	7,874	7,233	6,817	6,847	7,077
Rams and wethers 1 year or older	374	340	314	310	320	327
All chickens[2,3]	379,219	364,880	374,008	368,548	369,131	377,516
All turkeys	170,723	171,321	185,282	185,352	207,216	240,349
All mink (Females)	1,132	1,115	1,115	1,115	1,077	1,145

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[1] Preliminary. [2] December 1, preceding year. [3] Excludes commercial broilers.

STATE RANKINGS: LIVESTOCK
IOWA AND 10 LEADING STATES, 1988

Item	1	2	3	4	5	6	7	8	9	10	Iowa	
											Rank	% of U.S.
Livestock On Hand, January 1, 1988												
All cattle and calves	Tex.	Kans.	Neb.	Okla.	–[1]	–[1]	Mo..	Wis.	S.D.	Minn.	5	5
Milk cows that have calved	Wis.	Cal.	N.Y.	Minn.	Pa.	Ohio	Mich	Tex.	Iowa	Mo.	9	3
Beef cows that have calved	Tex.	Mo.	Okla.	Neb.	Kans.	S.D.	Mont.	Iowa	Fla.	Ky.	8	4
All hogs - December 1987	Iowa	Ill.	Ind.	Minn.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	1	26
All sheep and lambs	Tex.	Cal.	Wyo.	S.D.	Mont.	Utah	N. M.	Colo.	Oreg.	Iowa	10	4
Cattle and calves on feed	Tex.	Neb.	Kans.	Colo.	Iowa	Cal.	Ill.	Ariz.	Okla.	Minn.	5	7
Sheep and lambs on feed	Colo.	Cal.	Tex.	Wyo.	Kans.	Oreg.	Minn.	–[2]	–[2]	Ohio	8	4
All chickens - December 1987	Cal.	Ind.	Ga.	Ark.	Ohio	Pa.	N.C.	Tex.	Ala.	Fla.	12	2
Livestock Production In 1987												
Cattle and calf production	Tex.	Neb.	Kans.	Iowa	Okla.	Cal.	S.D.	Colo.	Minn.	Wis.	4	5
Fed cattle marketed	Tex.	Neb.	Kans.	Colo.	Iowa	Cal.	Ill.	Okla.	S.D.	Minn.	5	7
Hog production	Iowa	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	1	26
Sheep production	Tex.	Cal.	S.D.	Wyo.	Colo.	Oreg.	Utah	Mont.	Iowa	Idaho	9	5
Turkey production	N.C.	Minn.	Cal.	Ark.	Mo.	Va.	Ind.	Wis.	Iowa	Pa.	9	4
Calf crop	Tex.	Mo.	Wis.	Okla.	Cal.	Neb.	S.D.	–[3]	–[3]	Mont.	8	3
Pig crop	Iowa	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Wis.	1	25
Lamb crop	Tex.	Cal.	S.D.	Wyo.	Mont.	Utah	Oreg.	–[4]	–[4]	Idaho	8	4
Chickens sold	Cal.	Ark.	Ga.	Pa.	Ind.	N.C.	Ohio	Ala.	Tex.	Miss.	13	2
Turkeys raised	N.C.	Minn.	Cal.	Ark.	Va.	Mo.	Ind.	Iowa	Pa.	Wis.	8	3
Cattle slaughter	Kans.	Tex.	Neb.	Iowa	Colo.	Wis.	Ill.	Cal.	Pa.	Minn.	4	6
Hog slaughter	Iowa	Ill.	Minn.	Va.	Mich.	Ind.	Mo.	S.D.	Neb.	Ohio	1	27
Sheep slaughter	Tenn.	Iowa	Kans.	–[5]	–[5]	–[6]	–[6]	–[7]	–[7]	Ky.	2	9
Egg production	Cal.	Ind.	Pa.	Ga.	Ohio	Ark.	Tex.	N.C.	Ala.	Fla.	12	2
Wool production	Tex.	Cal.	Wyo.	Colo.	S.D.	Mont.	Utah	N.M.	Iowa	Oreg.	9	4
Milk production	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Ohio	Tex.	Wash.	Iowa	10	3
American cheese	Wis.	Minn.	Cal.	Iowa	Idaho	N.Y.	S.D.	Mo.	N.D.	Ind.	4	4
Total cheese[2]	Wis.	Minn.	N.Y.	Cal.	Iowa	Pa.	Mo.	Idaho	S.D.	Vt.	5	4

[1] Tie between Iowa and California. [2] Tie between Iowa and South Dakota. [3] Tie between Iowa and Kansas. [4] Tie between Iowa and Colorado. [5] Tie between California and South Dakota. [6] Tie between Colorado and Oklahoma. [7] Tie between Nebraska and Wyoming.

Iowa Livestock: Record High and Low Numbers

Item	Unit	Record high		Record low		Year record started
		Quantity	Year	Quantity	Year	
Cattle						
Inventory January 1	Thou. hd.	7,800	1978	3,758	1928	1924
Calves born	Thou. hd.	2,180	1976	1,451	1927	1924
Beef cows January 1	Thou. hd.	1,928	1976	375	1939	1937
Milk cows January 1	Thou. hd.	1,544	1943	308	1987	1937
Grain fed cattle marketed	Thou. hd.	4,676	1968	1,425	1951	1949
Cattle on feed January 1	Thou. hd.	2,213	1969 & 1970	670	1986	1948
Cattle on feed April 1	Thou. hd.	2,291	1969	640	1986	1948
Cattle on feed July 1	Thou. hd.	1,935	1969	440	1948	1948
Cattle on feed October 1	Thou. hd.	1,633	1969 & 1970	469	1949	1948
Hogs						
Inventory December 1	Thou. hd.	16,300	1981	2,500	1868	1867
Spring sows farrowed (Dec-May)	Thou. hd.	2,454	1943	1,130	1935	1924
Fall sows farrowed (June-Nov)	Thou. hd.	1,620	1979 & 1981	312	1934	1924
Pigs saved Spring (Dec-May)	Thou. hd.	15,117	1943	6,712	1935	1924
Pigs saved Fall (June-Nov)	Thou. hd.	12,069	1981	1,760	1934	1924
Marketings	Thou. hd.	23,409	1980	7,366	1935	1924
Sheep						
Inventory January 1	Thou. hd.	1,975	1942	350	1986	1924
Lamb crop	Thou. hd.	1,127	1942	259	1978	1924
Marketings	Thou. hd.	2,062	1943	222	1979	1924
Chickens						
Inventory December 1	Thou. hd.	43,149	1944	7,700	1986	1924
Hens and pullets of laying age December 1	Thou. hd.	18,610	1965	6,000	1986	1965
Egg production total for year	Mil. eggs	5,084	1958	1,441	1986	1924
Turkeys						
Raised	Thou. hd.	9,836	1961	123	1929	1929

IOWA HOGS AND PIGS

Number On Farms, Market By Weight Groups, Breeding And Total

Month and year	Market Hogs and Pigs Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 lbs. and over	Total	For breeding	Total
	Thousand head						
March 1							
1977	4,125	2,449	2,917	1,903	11,394	2,106	13,500
1983	4,292	3,019	2,753	2,061	12,125	1,975	14,100
1984	3,795	2,783	2,762	2,140	11,480	1,770	13,250
1985	4,076	2,749	2,610	2,025	11,460	1,740	13,200
1986	3,925	2,570	2,530	2,000	11,025	1,575	12,600
1987[1]	3,875	2,410	2,410	1,885	10,580	1,720	12,300
June 1							
1977	5,998	2,811	2,124	1,562	12,495	2,205	14,700
1983	6,053	3,072	2,219	1,786	13,130	2,070	15,200
1984	5,090	3,127	2,133	1,770	12,120	1,880	14,000
1985	5,020	3,090	2,190	1,850	12,150	1,750	13,900
1986[2]	4,445	2,680	1,985	1,570	10,680	1,520	12,200
1987[1]	5,300	2,870	2,060	1,540	11,770	1,730	13,500
September 1							
1977	5,031	3,354	2,683	1,832	12,900	2,100	15,000
1983	5,338	3,633	2,863	1,800	13,634	1,966	15,600
1984	4,954	3,207	2,920	1,956	13,037	1,863	14,900
1985	4,755	2,980	2,615	1,800	12,150	1,750	13,900
1986[2]	4,500	2,705	2,310	1,635	11,150	1,550	12,700
1987[1]	4,800	3,215	2,685	1,900	12,600	1,700	14,300
December 1							
1977	4,936	3,369	2,245	1,789	12,339	2,161	14,500
1983	5,021	3,493	2,755	1,911	13,180	1,820	15,000
1984	4,726	3,242	2,569	1,933	12,470	1,730	14,200
1985	4,340	3,200	2,460	1,850	11,850	1,650	13,500
1986[2]	4,200	2,840	2,265	1,710	11,015	1,585	12,600
1987[1]	4,370	3,130	2,500	2,140	12,140	1,660	13,800

[1] Preliminary. [2] Revised.

Inventory, Supply And Disposition

Year	Inventory Prev. December 1	Pig Crop Dec.-May	June-Nov.	Inshipments	Marketings	Farm Slaughter	Deaths
	Thousand head						
IOWA							
1977	14,200	11,043	10,296	1,300	20,279	60	2,000
1983	14,400	11,993	11,538	950	22,651	30	1,200
1984	15,000	10,446	11,210	1,100	22,286	20	1,250
1985	14,200	10,990	10,899	1,400	22,814	25	1,150
1986[1]	13,500	9,935	10,451	1,100	21,350	14	1,022
1987[2]	12,600	10,952	11,430	1,200	21,217	15	1,150
U.S.							
1977	54,934	42,960	43,202	4,258	80,939	1,144	6,733
1983	54,534	47,409	45,746	3,527	89,129	517	4,875
1984	56,694	42,403	44,183	3,527	87,344	473	4,917
1985	54,073	42,545	43,484	3,696	86,694	446	4,345
1986[1]	52,313	40,392	41,997	3,447	82,738	358	4,133
1987[2]	50,920	43,135	44,668	3,783	84,153	341	4,218

[1] Revised. [2] Preliminary.

PIG CROP: SOWS FARROWED AND PIGS SAVED, IOWA AND 10 STATES

Spring Pigs

Year	Sows Farrowed			Pigs per Litter			Pigs Saved		
	Dec[1]-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May
	------ Thousand head ------			--------- Head ---------			------ Thousand head ------		
IOWA									
1977	620	910	1,530	6.95	7.40	7.22	4,309	6,734	11,043
1983	650	960	1,610	7.30	7.55	7.45	4,745	7,248	11,993
1984	600	810	1,410	7.15	7.60	7.41	4,290	6,156	10,446
1985	620	810	1,430	7.60	7.75	7.69	4,712	6,278	10,990
1986	590	690	1,280	7.60	7.90	7.76	4,484	5,451	9,935
1987[2]	590	790	1,380	7.85	8.00	7.94	4,632	6,320	10,952
10 STATES[3]									
1977	2,117	2,558	4,615	6.59	7.39	7.12	13,946	18,897	32,843
1983	2,154	2,782	4,936	7.45	7.62	7.54	16,040	21,194	37,234
1984	1,964	2,481	4,445	7.27	7.58	7.45	14,288	18,814	33,102
1985	1,955	2,420	4,375	7.51	7.75	7.65	14,690	18,762	33,452
1986	1,863	2,171	4,034	7.65	7.81	7.74	14,254	16,957	31,211
1987[2]	1,916	2,352	4,268	7.75	7.91	7.84	14,840	18,601	33,441

Fall Pigs

Year	Sows Farrowed			Pigs per Litter			Pigs Saved		
	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov
	------ Thousand head ------			--------- Head ---------			------ Thousand head ------		
IOWA									
1977	710	720	1,430	7.20	7.20	7.20	5,112	5,184	10,296
1983	775	800	1,575	7.30	7.35	7.33	5,658	5,880	11,538
1984	725	760	1,485	7.60	7.50	7.55	5,510	5,700	11,210
1985	700	730	1,430	7.80	7.45	7.62	5,460	5,439	10,899
1986	650	690	1,340	7.85	7.75	7.80	5,103	5,348	10,451
1987[2]	730	740	1,470	7.75	7.80	7.78	5,658	5,772	11,430
10 STATES									
1977	2,288	2,277	4,565	7.19	7.17	7.18	16,452	16,321	32,773
1983	2,422	2,377	4,799	7.36	7.43	7.40	17,836	17,663	35,499
1984	2,259	2,316	4,575	7.60	7.52	7.56	17,158	17,420	34,578
1985	2,191	2,265	4,456	7.73	7.62	7.67	16,941	17,255	34,196
1986	2,074	2,115	4,189	7.79	7.78	7.79	16,164	16,460	32,624
1987[2]	2,257	2,258	4,515	7.75	7.75	7.75	17,481	17,495	34,976

[1] Previous year. [2] Preliminary. [3] GA, ILL, IND, IA, KAN, MINN, MO, NEB, N.C., OHIO.

Iowa Hog And Pig Production And Income

Year	Production	Marketings	Average price per 100 lbs	Value of production	Cash receipts	Value of home consumption	Gross Income
	---- Thousand pounds ----		Dollars	---------- Thousand dollars ----------			
IOWA							
1977	5,030,470	4,955,238	39.60	1,971,340	1,965,183	37,992	2,003,175
1983	5,540,098	5,482,574	46.70	2,573,760	2,562,235	13,338	2,575,573
1984	5,372,752	5,507,322	46.80	2,492,895	2,580,883	7,961	2,588,844
1985	5,457,689	5,591,759	44.20	2,385,339	2,474,317	10,564	2,484,881
1986[1]	5,139,316	5,306,668	49.50	2,522,531	2,629,449	5,177	2,634,626
1987[2]	5,390,050	5,258,285	51.90	2,766,568	2,735,076	5,815	2,740,891
U.S.							
1977	19,020,900	18,313,705	39.40	7,484,651	7,281,364	262,047	7,543,411
1983	21,195,347	20,834,899	46.80	9,899,218	9,785,227	123,898	9,909,125
1984	20,195,699	20,490,921	47.10	9,498,230	9,703,385	115,087	9,818,472
1985	20,164,269	20,360,970	44.00	8,871,310	9,029,467	98,823	9,128,290
1986[1]	19,415,403	19,578,536	49.30	9,555,767	9,716,044	89,401	9,805,445
1987[2]	20,419,243	20,019,735	51.20	10,426,796	10,326,387	91,292	10,417,679

[1] Revised. [2] Preliminary.

HOG SLAUGHTER, BY MONTHS, IOWA AND U.S.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
							Thousand head						
IOWA													
1977	1,518	1,459	1,818	1,673	1,480	1,417	1,225	1,516	1,634	1,643	1,739	1,532	18,654
1983	1,593	1,411	1,866	1,815	1,759	1,622	1,528	1,710	1,861	2,046	2,232	1,985	21,428
1984	1,848	1,757	2,007	1,780	1,747	1,573	1,350	1,472	1,619	2,034	1,968	1,732	20,886
1985	1,841	1,589	1,807	1,850	1,851	1,525	1,519	1,713	1,842	2,058	1,839	1,662	21,096
1986	1,753	1,484	1,613	1,630	1,565	1,412	1,416	1,432	1,494	1,680	1,578	1,655	18,711
1987[2]	1,887	1,594	1,769	1,759	1,679	1,575	1,530	1,580	1,812	2,024	1,951	2,104	21,262
U.S.													
1977	6,127	6,097	7,546	6,652	6,134	5,957	5,121	6,410	6,763	6,771	7,198	6,528	77,303
1983	6,664	5,964	7,583	7,298	7,118	7,251	6,562	7,311	7,500	8,086	8,436	7,812	87,584
1984	7,193	6,811	7,802	7,161	7,367	6,595	6,007	6,846	6,643	8,152	7,597	6,994	85,168
1985	7,342	6,396	7,134	7,383	7,567	6,394	6,600	7,016	6,940	7,787	7,033	6,900	84,492
1986	7,185	6,337	6,857	7,352	6,888	6,076	6,098	5,972	6,504	7,279	6,255	6,796	79,598
1987[2]	6,918	6,055	6,967	6,667	6,084	6,161	6,189	6,180	7,027	7,700	7,321	7,813	81,081

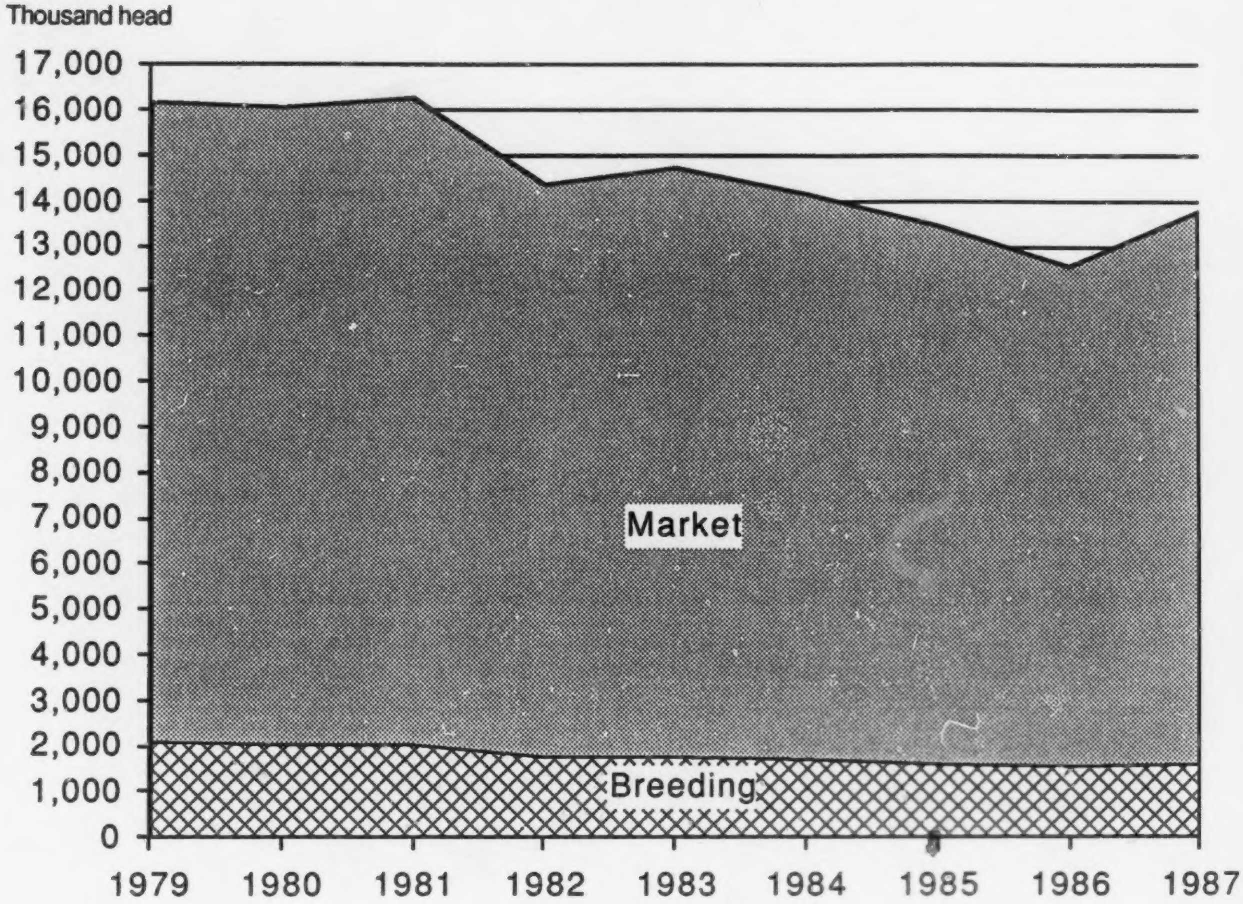
Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
							Pounds						
IOWA - Average													
1977	241	236	237	241	247	252	249	244	240	245	250	248	244
1983	247	241	242	244	248	249	246	243	239	243	246	244	244
1984	242	242	242	244	249	249	246	243	241	244	246	245	244
1985	245	241	243	248	249	250	246	244	247	250	253	250	247
1986	251	248	248	249	249	249	247	247	249	253	254	258	250
1987[2]	256	253	248	249	251	251	247	246	249	252	256	254	251
							Million pounds						
IOWA - Total													
1977	365	344	430	403	366	357	305	370	393	403	435	381	4,552
1983	393	340	452	443	436	403	375	415	445	498	549	485	5,235
1984	447	425	485	434	434	392	333	357	391	497	484	425	5,102
1985	450	382	440	459	461	381	374	418	455	516	465	415	5,216
1986	439	367	401	407	390	352	350	354	372	425	401	428	4,685
1987[2]	482	403	439	438	422	395	378	389	450	510	499	533	5,340
							Pounds						
U.S. - Average													
1977	234	233	233	236	239	240	239	236	235	239	242	239	237
1983	244	240	241	242	245	246	244	241	240	243	246	243	243
1984	242	241	241	242	245	247	244	242	242	244	246	245	243
1985	245	242	242	245	247	247	244	242	242	246	248	246	245
1986	246	243	244	245	245	245	245	243	245	248	250	251	246
1987[2]	251	248	246	246	247	248	245	244	246	248	251	249	247
							Million pounds						
U.S. - Total													
1977	1,434	1,420	1,761	1,569	1,464	1,432	1,221	1,514	1,592	1,617	1,744	1,560	18,330
1983	1,625	1,433	1,826	1,769	1,744	1,784	1,100	1,763	1,800	1,965	2,074	1,902	21,285
1984	1,739	1,641	1,879	1,734	1,801	1,628	1,467	1,657	1,606	1,989	1,868	1,716	20,728
1985	1,795	1,546	1,726	1,808	1,866	1,580	1,613	1,700	1,677	1,914	1,742	1,700	20,667
1986	1,766	1,542	1,670	1,802	1,691	1,489	1,491	1,452	1,593	1,802	1,561	1,706	19,565
1987[2]	1,733	1,499	1,711	1,641	1,500	1,525	1,519	1,508	1,726	1,910	1,841	1,947	20,060

[1] Totals may be different due to rounding. [2] Preliminary.

IOWA HOGS AND PIGS

Inventory On Farms December 1



December 1 Inventory

Year	Breeding	Market	Total
1979	2,106	14,094	16,200
1980	2,095	14,005	16,100
1981	2,061	14,239	16,300
1982	1,786	12,614	14,400
1983	1,820	12,980	14,800
1984	1,730	12,470	14,200
1985	1,650	11,850	13,500
1986[1]	1,585	11,015	12,600
1987	1,660	12,140	13,800

[1] Revised.

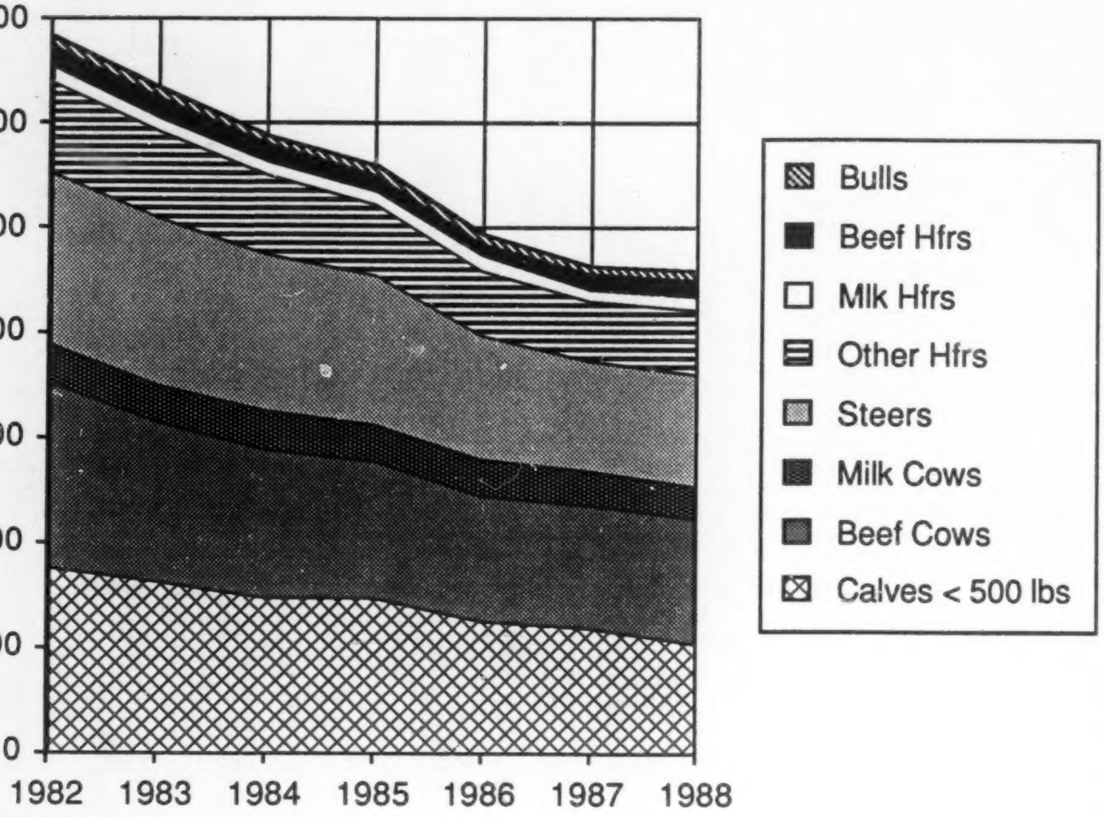
The tables below are guidelines to producers in determining profitability of raising feeder steers or feeder pigs to market weight, using 1986 production costs in the Corn Belt. More detailed data on expenses and prices is available in "Livestock and Poultry Outlook and Situation Report," LPS-10 and LPS-12, U.S. Department of Agriculture, Economic Research Service.

Corn Belt Steer And Hog Prices, Costs, And Net Margins

Year	Steers, Omaha	Feed and feeder	Break-even[1]	Net margin	Barrows & gilts, 7 mkts.	Feed and feeder	Break-even[2]	Net margin
				Dollars per cwt.				
1984								
Jan.	67.08	55.82	65.47	+1.61	49.91	37.18	47.97	+1.94
Feb.	67.07	56.54	66.15	+0.92	46.31	35.64	46.40	-.09
Mar.	68.60	56.77	66.37	+2.23	46.83	37.19	48.07	-1.24
Apr.	67.86	57.18	66.91	+0.95	48.30	38.28	49.30	-1.00
May	65.89	57.94	67.73	-1.84	48.06	41.02	52.46	-4.40
June	64.28	59.46	69.38	-5.10	50.36	44.85	56.68	-6.32
July	65.79	60.56	70.63	-4.84	54.04	48.85	60.96	-6.92
Aug.	64.36	61.09	71.24	-6.88	52.26	49.33	61.51	-9.25
Sep.	62.68	62.68	72.89	-10.21	47.33	45.65	57.51	-10.18
Oct.	60.85	62.93	73.19	-12.34	44.50	43.90	55.62	-11.12
Nov.	64.29	62.01	72.19	-7.90	48.34	40.65	52.18	-3.84
Dec.	65.32	59.89	69.93	-4.61	50.12	39.46	50.98	-.86
1985								
Jan.	64.35	59.59	69.76	-5.41	49.06	38.62	50.16	-1.10
Feb.	62.80	58.57	68.75	-5.95	48.98	36.23	47.70	+1.28
Mar.	59.58	57.39	67.56	-7.98	43.93	37.10	48.70	-4.77
Apr.	58.72	56.49	66.71	-7.99	41.41	36.55	48.10	-6.69
May	57.58	56.29	66.53	-8.95	42.17	40.95	52.83	-8.95
June	56.69	56.87	67.14	-10.45	45.68	40.57	52.42	-6.74
July	53.26	58.21	68.44	-15.18	46.99	41.56	53.49	-6.50
Aug.	51.94	58.40	68.60	-16.66	43.50	40.42	52.26	-8.76
Sep.	51.29	57.58	67.76	-16.47	45.48	32.38	43.65	+1.83
Oct.	57.40	58.24	68.46	-11.06	43.55	34.38	45.84	-2.29
Nov.	63.30	52.10	67.25	-3.95	44.14	34.60	45.95	-1.81
Dec.	62.94	55.68	65.74	-2.80	46.91	34.58	45.97	+.09
1986								
Jan.	59.69	52.74	62.48	-2.79	45.48	32.38	43.65	+1.83
Feb.	56.42	52.33	61.10	-5.68	43.55	34.38	45.84	-2.29
Mar.	55.55	50.74	60.44	-4.89	40.88	32.85	44.28	-3.40
Apr.	53.64	51.11	60.87	-7.23	40.27	31.65	42.94	-2.67
May	55.79	52.24	62.04	-6.25	46.91	33.15	44.55	+2.36
June	54.08	51.53	61.23	-7.15	54.50	35.93	47.55	+6.95
July	58.27	52.68	62.43	-4.16	60.99	37.87	49.65	+11.34
Aug.	59.04	52.69	62.45	-3.41	63.39	36.40	47.95	+15.44
Sept	59.43	53.08	62.87	-3.44	59.01	37.81	49.43	+9.58
Oct.	59.73	51.50	61.08	-1.35	54.21	38.45	50.13	+4.08
Nov.	61.54	51.85	61.43	+.11	53.62	40.72	52.65	+.97
Dec.	59.82	50.44	59.94	-.12	51.42	41.55	53.69	-2.27
1987								
Jan.	58.79	49.76	59.27	-0.48	47.39	41.85	54.10	-6.71
Feb.	61.02	50.67	60.37	+0.65	48.73	38.60	50.35	-1.62
Mar.	61.58	49.42	59.10	+2.48	48.22	37.73	49.37	-1.15
Apr.	66.30	48.89	58.40	+7.90	51.85	36.88	48.44	+3.41
May	70.66	49.16	58.63	+12.03	55.58	36.22	47.75	+7.83
June	68.83	49.90	59.40	+9.43	61.08	39.04	50.81	+10.27
July	65.80	51.82	61.45	+4.35	61.85	39.95	51.75	+10.10
Aug.	64.50	52.90	62.61	+1.89	60.35	40.75	52.90	+7.45
Sept.	64.81	53.19	62.89	+1.92	54.72	39.47	51.49	+3.23
Oct.	64.81	54.55	64.36	+.45	48.75	37.00	48.81	-.06
Nov.	64.20	55.54	65.37	-1.17	40.65	37.19	49.52	-8.87
Dec.	63.93	56.12	65.97	-2.04	41.14	37.55	49.97	-8.88

[1] Selling price required to cover costs of feeding 600 lb. feeder steer to 1,050 lb. slaughter in the Corn Belt. [2] Selling price required to cover costs of feeding 40-50 lb. feeder pig to 220 lb. slaughter hog in the Corn Belt.

Iowa Cattle And Calves: Inventory on Farms, January 1



Number on Farms January 1, Yearly Inventory Value And Calf Crop

Year	All Cattle and calves			Cows and heifers that have calved			Calves born prev. year	Heifers 500 lbs. and over			Steers 500 lbs. and over	Bulls 500 lbs. and over	All calves less than 500 lbs.
	Number	Value Per head	Value Total	Milk	Beef	Total		Milk replacement	Beef replacement	Other			
	1000/Hd.	$$	1000/$	Thousand head									
1982	6,850	390	2,671,500	370	1,754	2,124	1,950	157	192	863	1,644	89	1,781
1983	6,350	405	2,571,750	362	1,518	1,880	1,800	133	184	845	1,575	87	1,646
1984	5,900	410	2,419,000	358	1,417	1,775	1,740	135	160	755	1,500	79	1,496
1985	5,600	445	2,492,000	345	1,305	1,650	1,640	130	150	670	1,425	75	1,500
1986	4,950	420	2,079,000	360	1,190	1,550	1,500	145	125	605	1,170	75	1,280
1987	4,650	430	1,999,500	308	1,182	1,490	1,470	125	140	550	1,065	70	1,210
1988[1]	4,600	545	2,507,000	299	1,201	1,490	1,490	128	160	595	1,088	80	1,049

[1] Preliminary.

Number of Feedlots And Fed Cattle Marketed By Size of Feedlot Capacity

Iowa & 13 Major States

Cattle	1977		1985		1986		1987	
	Number of lots[1]	Fed cattle marketed	Number of lots[1]	Fed cattle marketed	Number of lots[1]	Fed cattle marketed	Number of lots[1]	Fed cattle marketed
		1,000 head		1,000 head		1,000 head		1,000 head
IOWA								
Under 1,000	32,711	2,305	15,090	1,290	10,935	1,133	9,655	1,215
1,000 - 1,999	205	226	300	241	400	172	250	321
2,000 - 3,999	58	139	110[3]	295[3]	165[3]	232[3]	95[3]	214[3]
4,000 - 7,999	17	86	-	-	-	-	-	-
8,000 and over	9	106	-	-	-	-	-	-
Total	**33,000**	**2,862**	**15,500**	**1,826**	**11,500**	**1,537**	**10,000**	**1,750**
13 MAJOR STATES[2]								
Under 1,000	87,480	6,432	49,162	4,546	42,659	4,094	40,353	4,226
1,000 - 1,999	701	1,023	728	928	861	908	723	1,061
2,000 - 3,999	338	1,085	401	1,328	474	1,366	409	1,320
4,000 - 7,999	203	1,478	200	1,591	198	1,634	211	1,690
8,000 - 15,999	200	3,415	192	3,321	191	3,165	185	3,285
16,000 - 31,999	136	4,944	128	4,531	127	4,509	119	4,347
32,000 and over	57	4,164	75	6,642	80	7,180	81	7,042
Total	**89,115**	**22,541**	**50,886**	**22,887**	**44,590**	**22,856**	**42,081**	**22,971**

[1] Number of feedlots with 1,000 head or more capacity is number of lots operating anytime during year. Number under 1,000 head capacity is number at end of year. [2] Includes ARIZ, CALIF, COLO, IDAHO, ILL, IOWA, KANS, MINN, NEBR, OKLA, S DAK, TEXAS, and WASH. [3] 2,000 and above.

Iowa Cattle and Calves: Number on Feed, By Quarters

Quarter and year	Steers						Heifers				
	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 & over	Total	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	Total
	Thousand head										
January 1											
1977	127	204	331	253	58	973	120	159	170	98	547
1983	61	213	213	206	69	762	65	149	122	100	436
1984	34	154	194	234	54	670	38	106	106	70	320
1985	40	126	166	183	57	572	24	87	104	84	299
1986	21	101	122	131	47	422	24	80	72	65	241
1987	21	120	120	111	56	428	25	81	78	61	245
April 1											
1977	27	291	228	291	73	910	34	264	131	58	487
1983	8	146	268	245	100	767	12	148	153	88	401
1984	6	102	203	209	78	598	6	113	119	75	313
1985	6	102	176	181	102	567	6	97	133	88	324
1986	4	75	127	131	60	397	7	78	90	62	237
1987	11	62	172	129	69	443	15	74	84	54	227
July 1											
1977	23	105	279	286	60	753	8	118	211	69	406
1983	6	37	224	293	62	622	4	48	208	106	366
1984	4	29	125	207	50	415	2	35	139	72	248
1985	4	24	123	184	74	409	3	33	122	96	254
1986	3	18	107	128	49	305	4	30	91	65	190
1987	5	21	87	155	58	326	4	33	110	76	223
October 1											
1977	14	98	239	295	56	702	13	139	215	81	448
1983	5	44	122	230	88	489	5	32	102	105	244
1984	8	34	124	166	45	377	4	39	83	81	207
1985	3	18	75	133	72	301	2	16	68	79	165
1986	3	21	97	141	49	311	4	36	87	77	204
1987	12	30	91	168	54	355	3	26	54	87	170

IOWA CATTLE AND CALVES

Number On Feed

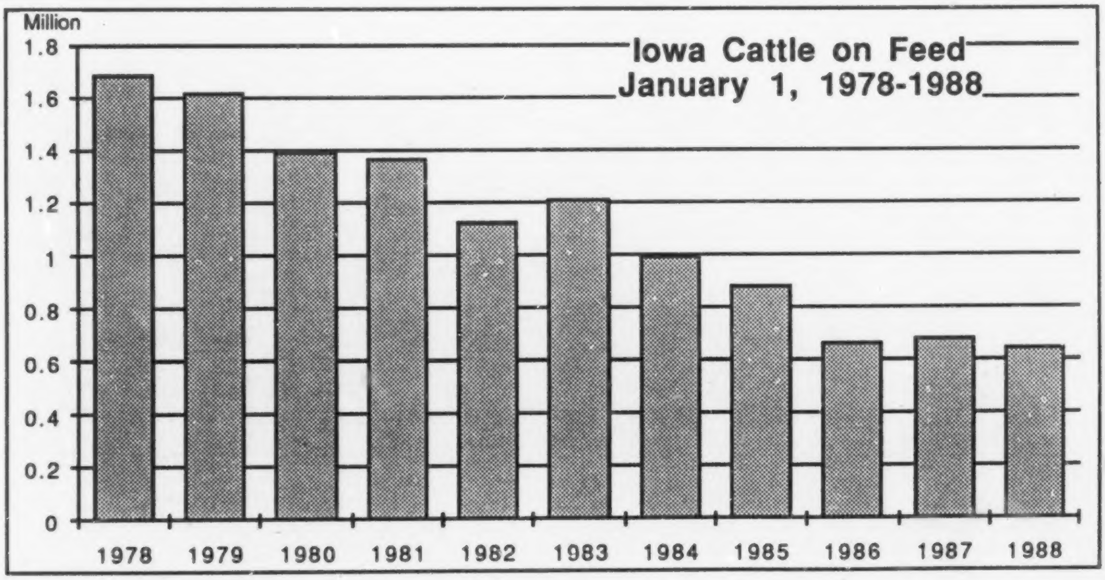
Year	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sep. 1	Oct. 1	Nov. 1	Dec. 1
	Thousand head											
1977	1,520	1,480	1,460	1,400	1,310	1,220	1,160	1,130	1,080	1,150	1,260	1,520
1983	1,210	1,210	1,220	1,180	1,110	1,065	990	885	770	740	850	950
1984	1,000	1,000	980	920	850	740	670	620	560	590	660	805
1985	880	905	905	900	850	780	670	570	500	470	540	630
1986	670	640	635	640	625	560	500	490	490	520	560	620
1987[1]	680	670	665	675	645	620	555	500	490	530	570	610

[1] Preliminary.

Number Marketed And Placements In Feedlots

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	Thousand head												
Cattle and calves placed on feed													
1978	210	210	190	180	190	170	190	200	310	400	500	482	3,232
1983	240	180	160	150	173	160	120	130	190	310	320	280	2,413
1984	180	145	125	100	100	100	95	110	175	245	295	260	1,930
1985	170	145	125	105	105	75	60	95	128	235	230	240	1,713
1986	110	100	120	115	90	86	110	128	160	200	200	200	1,619
1987[1]	170	120	155	130	135	90	80	123	190	230	200	190	1,813
Grain fed cattle marketed													
1977	240	215	230	230	240	220	210	240	230	280	230	297	2,862
1983	230	158	190	202	203	225	210	235	215	195	215	215	2,493
1984	170	150	170	155	197	160	140	163	139	169	146	165	1,924
1985	140	135	120	145	165	175	155	160	155	160	135	180	1,825
1986	135	100	105	120	145	140	115	125	125	157	135	135	1,537
1987[1]	170	115	140	150	150	145	130	128	145	187	155	135	1,750

[1] Preliminary.



IOWA CATTLE AND CALVES

Inventory, Supply and Disposition

Year	Inventory January 1	Calf crop	Inshipments	Marketings		Farm slaughter	Cattle & calf deaths
				Cattle	Calves		
			Thousand head				
IOWA							
1977	7,650	2,140	3,000	4,542	162	16	270
1983	6,350	1,740	1,321	3,054	124	8	325
1984	5,900	1,640	1,263	2,867	89	7	240
1985	5,600	1,500	1,000	2,866	71	8	205
1986	4,950	1,470	1,400	2,913	60	7	190
1987[1]	4,650	1,490	1,600	2,872	70	8	190
U.S.							
1977	122,810	45,931	23,333	56,378	12,621	700	6,000
1983	115,001	43,925	19,210	48,089	10,443	410	5,494
1984	113,700	42,500	20,515	50,862	10,253	388	5,464
1985	109,749	41,045	19,864	49,243	10,530	370	5,046
1986[2]	105,468	41,141	21,211	49,995	10,477	351	4,998
1987[1]	102,000	40,026	22,561	49,900	10,564	330	4,800

[1] Preliminary. [2] Revised.

Production And Income

Year	Production	Marketings	Average Price per 100 pounds		Value of production	Cash receipts	Value of home consumption	Gross income
			Catlle	Calves				
	--- Thousand pounds ---		--- Dollars ---		------------------ Thousand dollars ------------------			
IOWA								
1977	2,885,950	4,823,670	37.20	37.80	1,073,678	1,794,565	28,354	1,822,919
1983	2,198,750	3,299,010	57.00	60.70	1,252,080	1,881,171	16,099	1,897,270
1984	2,078,310	3,092,940	56.80	59.60	1,180,985	1,757,178	14,207	1,771,385
1985	2,155,730	3,206,680	54.50	62.20	1,169,610	1,748,500	12,763	1,761,263
1986	2,136,650	3,197,850	53.70	61.50	1,146,225	1,717,941	12,734	1,730,675
1987[1]	2,242,150	3,155,780	61.80	75.30	1,379,344	1,951,754	14,562	1,966,316
U.S.								
1977	40,744,829	58,458,393	34.40	36.90	13,977,695	20,225,347	482,340	20,707,687
1983	40,301,302	51,990,001	55.50	61.70	22,013,607	28,685,486	554,663	29,240,149
1984	40,030,471	54,644,756	57.30	59.90	22,145,753	30,664,444	554,291	31,218,735
1985	40,157,633	54,483,633	53.70	62.10	21,196,786	29,050,683	485,093	29,535,776
1986[2]	40,474,970	55,421,460	52.60	61.10	20,935,311	28,922,520	453,337	29,375,857
1987[1]	40,282,378	55,111,064	61.10	78.50	24,629,290	33,829,098	487,096	34,316,194

[1] Preliminary. [2] Revised.

CATTLE: SLAUGHTER AND LIVE WEIGHT, IOWA AND U.S.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
Thousand head													
IOWA													
1977	395	346	395	375	384	432	377	410	386	374	330	352	4,556
1983	307	257	243	241	263	280	240	299	292	273	286	315	3,296
1984	287	257	245	220	222	210	200	199	178	208	187	183	2,594
1985	183	142	141	156	177	160	176	178	175	178	166	161	1,993
1986	172	133	144	169	178	160	170	156	161	183	165	177	1,969
1987[2]	190	149	175	192	181	182	184	171	178	191	167	174	2,133
U.S.													
1977	3,547	3,301	3,618	3,264	3,300	3,628	3,307	3,750	3,572	3,556	3,542	3,470	41,856
1983	3,061	2,691	2,980	2,756	2,957	3,139	2,867	3,368	3,312	3,278	3,079	3,161	36,649
1984	3,109	2,971	3,089	2,855	3,301	3,187	3,127	3,396	3,040	3,478	3,086	2,943	37,582
1985	3,277	2,776	2,883	2,971	3,173	2,883	3,139	3,215	2,999	3,240	2,812	2,925	36,293
1986	3,331	2,715	2,839	3,214	3,234	3,123	3,322	3,203	3,128	3,285	2,819	3,076	37,288
1987[2]	3,201	2,659	2,904	2,971	2,872	3,035	3,099	3,056	3,068	3,131	2,751	2,899	35,647

Average Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
Pounds													
IOWA													
1977	1,074	1,061	1,075	1,099	1,089	1,082	1,056	1,044	1,044	1,050	1,045	1,056	1,065
1983	1,098	1,096	1,093	1,086	1,088	1,080	1,071	1,057	1,066	1,083	1,098	1,085	1,083
1984	1,073	1,086	1,088	1,087	1,077	1,073	1,058	1,057	1,070	1,090	1,095	1,092	1,079
1985	1,102	1,107	1,113	1,124	1,132	1,133	1,126	1,123	1,119	1,128	1,130	1,115	1,121
1986	1,118	1,128	1,131	1,139	1,127	1,120	1,110	1,102	1,114	1,126	1,131	1,131	1,123
1987[2]	1,152	1,156	1,153	1,140	1,141	1,118	1,116	1,120	1,160	1,146	1,155	1,156	1,143
U.S.													
1977	1,033	1,034	1,038	1,036	1,028	1,023	1,016	1,014	1,013	1,012	1,016	1,024	1,024
1983	1,078	1,084	1,079	1,069	1,066	1,061	1,067	1,064	1,067	1,070	1,077	1,070	1,071
1984	1,066	1,074	1,073	1,067	1,063	1,059	1,055	1,060	1,066	1,072	1,072	1,073	1,067
1985	1,080	1,087	1,092	1,098	1,104	1,104	1,100	1,102	1,109	1,104	1,102	1,092	1,098
1986	1,100	1,107	1,110	1,110	1,102	1,094	1,091	1,091	1,102	1,103	1,097	1,099	1,100
1987[2]	1,109	1,108	1,107	1,094	1,087	1,086	1,093	1,100	1,114	1,118	1,121	1,123	1,105

Total Live Weight

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total[1]
Million Pounds													
IOWA													
1977	424	367	425	412	418	467	398	428	402	393	344	371	4,852
1983	336	282	265	262	286	304	257	317	311	296	314	341	3,571
1984	308	278	266	240	239	225	211	210	191	226	205	200	2,798
1985	201	157	157	176	200	181	198	200	196	201	188	179	2,234
1986	192	151	163	193	200	179	189	172	180	206	186	200	2,211
1987[2]	219	172	202	219	207	203	205	191	206	218	193	201	2,437
U.S.													
1977	3,665	3,413	3,757	3,382	3,391	3,711	3,359	3,801	3,619	3,597	3,600	3,554	42,849
1983	3,299	2,918	3,216	2,945	3,151	3,330	3,059	3,586	3,535	3,508	3,318	3,383	39,248
1984	3,315	3,192	3,313	3,047	3,510	3,376	3,298	3,601	3,240	3,728	3,307	3,159	40,085
1985	3,539	3,017	3,147	3,260	3,502	3,182	3,452	3,544	3,325	3,577	3,100	3,196	39,841
1986	3,663	3,006	3,151	3,567	3,565	3,416	3,625	3,495	3,447	3,623	3,091	3,381	41,032
1987[2]	3,549	2,947	3,215	3,250	3,122	3,296	3,386	3,363	3,419	3,502	3,083	3,256	39,387

[1] Totals may not add due to rounding. [2] Preliminary.

Red Meat Production By State and U.S.[1]

State	1984	1985	1986	1987
		1,000 pounds		
Alabama	242,451	265,403	244,746	257,943
Arizona	323,093	304,401	272,952	258,215
Arkansas	100,027	94,898	94,794	91,852
California	1,517,636	1,407,291	1,320,443	1,219,269
Colorado	1,505,560	1,279,813	1,426,866	1,551,580
Delaware-Maryland	63,805	63,301	56,256	65,353
Florida	237,003	200,198	142,779	129,804
Georgia	418,869	378,250	437,874	409,003
Hawaii	38,622	40,984	40,917	42,162
Idaho	544,651	567,151	547,655	492,397
Illinois	2,080,425	2,252,452	2,031,025	2,046,602
Indiana	765,092	772,737	743,632	852,169
Iowa	5,389,002	5,164,006	4,742,520	5,369,720
Kansas	3,888,171	4,617,530	4,809,384	4,676,939
Kentucky	527,535	518,126	481,435	511,728
Louisiana	85,741	81,283	73,343	56,821
Michigan	1,270,028	1,165,820	1,084,826	1,051,100
Minnesota	1,671,840	1,509,267	1,689,987	1,732,085
Mississippi	491,820	374,080	404,777	402,833
Missouri	895,273	802,261	904,732	902,890
Montana	62,613	28,678	20,697	18,192
Nebraska	4,091,565	4,607,729	4,682,370	4,496,559
Nevada	5,235	4,432	3,415	1,808
New England[2]	74,864	77,250	77,959	68,171
New Jersey	159,143	153,048	120,224	101,689
New Mexico	93,556	91,030	100,041	79,263
New York	200,524	176,305	178,485	157,870
North Carolina	459,730	471,142	507,480	526,668
North Dakota	112,679	104,268	94,731	58,193
Ohio	1,045,863	1,115,556	990,035	833,260
Oklahoma	370,340	378,392	414,275	185,557
Oregon	103,162	92,396	94,473	65,178
Pennsylvania	980,377	934,464	997,599	947,382
South Carolina	165,683	146,215	151,767	152,977
South Dakota	1,068,146	977,762	1,144,065	1,073,330
Tennessee	660,187	670,825	575,017	487,952
Texas	4,368,274	4,171,622	4,217,110	4,147,706
Utah	247,919	282,058	311,427	344,368
Virginia	723,122	750,616	837,661	853,687
Washington	721,314	691,567	667,608	617,854
West Virginia	27,144	25,141	23,285	19,603
Wisconsin	1,180,416	1,315,542	1,285,767	1,079,180
Wyoming	8,652	6,278	3,898	5,457
United States	38,987,156	39,131,161	39,050,332	38,442,366

[1] Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter. [2] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Iowa Milk Cows: Number And Production

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
MILK COWS ON FARMS						Thousand head							
1977	392	390	387	387	387	385	385	385	383	383	383	380	386
1983	360	360	361	361	365	362	360	359	359	360	359	358	360
1984	352	345	342	340	339	341	346	350	348	346	345	345	345
1985	341	338	338	342	348	357	357	358	360	360	362	362	352
1986	359	354	354	351	350	341	334	320	320	320	308	308	335
1987[1]	308	306	304	302	302	300	300	300	300	299	299	299	302
PRODUCTION PER COW						Pounds							Total
1977	840	820	890	900	945	935	925	900	840	830	800	825	10,440
1983	920	885	940	940	995	980	965	945	910	930	900	890	11,211
1984	915	915	935	920	985	975	955	920	890	870	870	885	11,029
1985	900	875	925	940	1000	1005	1000	990	985	980	970	950	11,528
1986	970	940	970	970	1010	1000	980	970	930	935	950	950	11,579
1987[1]	1000	960	985	1000	1030	1015	1000	970	950	950	950	960	11,755
TOTAL PRODUCTION						Million Pounds							Total
1977	329	320	344	348	366	360	356	347	322	318	306	314	4,030
1983	331	319	339	339	363	355	347	339	327	335	323	319	4,036
1984	322	316	320	313	334	332	330	322	310	301	300	305	3,805
1985	307	296	313	321	348	359	357	354	355	353	351	344	4,058
1986	348	333	343	340	354	341	327	310	298	299	293	293	3,879
1987[1]	308	294	299	302	311	305	300	291	285	284	284	287	3,550

[1] Preliminary.

U.S. Dairy Trade And Dairy Product Imports

Year and quarters	Dairy Trade[1]			
	Imports			
	Cheese	Other	Exports	Shipments[2]
	Million pounds			
1985	2,397	380	2,732	566
1986				
1st	484	190	568	139
2nd	488	56	174	127
3rd	581	59	367	166
4th	801	74	269	114
Year[3]	2,354	379	1,379	546
1987				
1st	395	151	242	149
2nd	398	75	357	139
3rd	613	68	440	152
4th	694	96	329	162
Year[3]	2,100	390	1,369	602

Year	Dairy Products Imports[1]			
	Yearly[3] quota	Imports subj. to quota	Imports not subj. to quota	Total
	Million pounds			
1975	1,306	976	693	1,669
1976	1,306	1,037	906	1,943
1977	1,306	1,119	849	1,968
1978	1,306	1,226	1,084	2,310
1979	1,306	1,235	1,070	2,305
1980	2,231	1,820	289	2,109
1981	2,234	2,061	268	2,329
1982	2,234	2,163	314	2,477
1983	2,234	2,234[4]	373	2,616[4]
1984	2,234	2,258[4]	483	2,741[4]
1985	2,234	2,283[4]	494	2,777[4]
1986	2,234	2,283[4]	450	2,733[4]
1987	2,234	2,008[4]	482	2,490[4]

[1] Milk-equivalent, fat basis. [2] To U.S. territories. [3] May not add because of rounding. [4] Probable error in reported data.

Iowa Dairy Products: Quantity Manufactured, By Months

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
BUTTER													
Iowa						Thousand pounds							
1977	4,841	4,397	4,952	5,002	5,353	4,642	4,255	4,203	2,998	3,195	2,629	3,300	49,767
1983	2,331	2,045	2,439	2,696	2,293	1,915	1,511	294	394	1,035	1,043	1,667	19,663
1984	1,369	1,272	1,455	1,397	1,534	865	898	506	68	164	334	1,182	11,044
1985	1,459	1,396	1,545	1,546	2,059	1,724	972	931	972	1,645	1,402	1,517	17,168
1986[1]	--	--	--	--	--	--	--	--	--	--	--	--	--
1987[1]	--	--	--	--	--	--	--	--	--	--	--	--	--
United States						Million pounds							
1977	105.5	95.4	98.4	100.0	103.1	93.0	81.8	77.8	75.0	84.5	81.5	89.5	1,085.6
1983	139.1	119.2	123.6	124.0	120.7	103.7	91.4	84.6	84.7	100.5	98.1	109.6	1,299.2
1984	127.3	108.9	107.6	103.0	105.1	81.8	72.7	70.2	67.5	84.4	79.8	95.1	1,103.3
1985	116.8	104.6	105.9	111.4	112.9	95.6	92.4	92.1	92.1	109.3	99.4	115.4	1,247.8
1986	136.7	119.3	119.2	122.7	114.7	93.0	79.7	69.9	80.2	85.3	80.3	101.3	1,202.4
1987[2]	111.9	97.4	105.4	102.6	98.2	81.5	75.2	66.4	77.9	91.2	87.9	108.5	1,104.1
AMERICAN CHEESE (Whole Milk)													
Iowa						Thousand pounds							
1977	8,445	8,278	9,053	8,819	10,085	9,202	8,573	8,417	6,715	6,321	4,893	6,336	95,137
1983	8,167	8,027	9,138	9,242	10,352	10,696	9,420	8,230	7,719	8,385	8,614	9,137	107,127
1984	8,678	8,247	9,105	8,496	9,967	9,532	9,244	9,039	8,188	8,252	7,921	8,827	105,496
1985	9,310	8,047	9,208	9,894	10,907	10,629	10,456	10,338	9,802	10,572	10,061	10,520	119,744
1986	9,998	9,138	10,318	10,850	11,298	10,037	10,000	9,285	8,979	8,766	8,238	9,529	116,436
1987[2]	9,599	9,430	10,474	10,731	11,655	11,298	10,991	9,726	9,821	9,262	9,862	10,314	123,163
United States						Million pounds							
1977	168.7	159.1	183.5	194.3	212.0	201.3	175.2	165.0	141.4	146.2	135.4	160.1	2,012.4
1983	237.8	220.0	259.4	263.4	284.7	286.2	260.8	228.8	209.4	222.6	217.8	236.8	2,927.6
1984	226.6	218.5	242.5	244.4	263.8	250.0	218.8	204.6	187.4	194.6	187.1	210.0	2,648.3
1985	219.5	200.5	232.0	253.0	273.5	266.2	259.0	246.3	216.9	229.1	221.9	236.6	2,854.4
1986	241.1	225.1	255.4	264.8	281.9	262.0	242.1	219.2	198.2	196.4	194.1	217.7	2,798.2
1987[2]	220.6	208.6	237.1	245.2	262.2	245.9	235.3	205.9	201.8	214.1	207.4	232.6	2,716.7
COTTAGE CHEESE CURD													
Iowa						Thousand pounds							
1977	750	789	942	864	819	823	760	851	775	788	760	735	9,656
1983	1,069	1,020	1,185	1,056	1,130	1,096	1,015	1,192	1,147	1,056	926	874	12,766
1984	981	926	1,048	970	984	950	1,070	948	879	939	897	750	11,342
1985	905	848	982	1,004	984	956	987	1,034	961	941	975	877	11,454
1986	984	935	1,039	1,125	1,034	1,010	1,043	1,095	1,009	1,024	859	850	12,007
1987[2]	936	952	1,077	883	1,013	1,008	983	994	935	987	898	902	11,568
United States						Million pounds							
1977	55.1	55.3	66.0	61.3	62.1	62.2	58.3	61.5	59.0	56.4	55.5	50.8	703.5
1983	51.3	49.4	55.6	52.2	55.1	54.6	52.0	55.4	52.3	50.1	46.8	43.1	617.9
1984	48.6	50.5	53.4	51.7	53.5	53.4	52.9	53.9	48.9	51.0	46.1	42.2	606.2
1985	49.3	46.9	52.7	52.5	55.2	49.5	51.4	52.2	48.9	50.7	46.3	43.1	598.8
1986	49.5	47.5	51.3	52.7	54.7	51.6	53.7	51.8	49.4	49.8	44.8	43.3	600.1
1987[2]	46.8	46.0	51.8	49.8	49.6	51.0	50.0	48.2	48.4	46.9	43.1	42.3	573.9

[1] Data not released to protect confidentiality of individual plants. [2] Preliminary.

Iowa Dairy Products: Quantity Manufactured, By Months (Cont'd.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
ICE CREAM[1]													
Iowa						Thousand gallons							
1977	636	713	949	782	908	1,013	972	1,036	864	715	753	733	10,074
1983	1,063	1,138	1,547	1,474	1,396	1,679	1,708	1,748	1,511	1,198	1,092	1,140	16,694
1984	1,058	1,402	1,608	1,627	1,588	1,934	1,931	1,814	1,547	1,493	1,410	1,335	18,747
1985	1,293	1,401	1,788	1,965	2,147	1,971	2,121	2,189	1,776	1,622	1,542	1,399	21,214
1986	1,502	1,679	1,752	2,061	2,286	2,394	2,602	2,679	2,077	2,123	1,409	1,562	24,126
1987[2]	1,502	1,742	2,200	2,274	2,495	2,516	2,751	2,223	1,811	1,516	1,326	1,570	23,926
United States						Million gallons							
1977	51.0	55.5	73.1	67.8	70.7	83.3	78.8	83.1	71.7	59.6	56.3	53.3	804.1
1983	54.9	60.5	79.7	69.9	78.6	91.4	85.8	91.1	81.3	66.2	61.3	58.1	878.8
1984	55.8	67.3	78.8	74.8	83.4	91.4	90.9	88.5	75.4	69.6	62.1	56.4	894.5
1985	62.0	60.8	74.4	76.1	86.3	90.2	95.9	90.0	77.1	70.5	59.5	58.6	901.4
1986	62.0	66.0	76.6	79.6	87.8	92.5	96.0	91.1	77.9	73.2	60.3	60.6	923.6
1987[2]	61.4	70.5	81.3	82.1	85.8	97.5	97.1	88.8	79.4	66.6	59.7	61.2	931.4
ICE MILK[3]													
Iowa						Thousand gallons							
1977	152	201	283	356	466	531	489	454	297	283	179	149	3,840
1983	331	376	535	588	689	860	788	874	627	465	323	366	6,822
1984	340	465	518	589	735	835	841	805	549	478	425	373	6,953
1985	394	456	570	734	888	821	974	826	605	583	396	350	7,597
1986	610	653	655	827	867	1,026	1,159	941	583	532	360	381	8,594
1987[2]	676	876	1,065	1,002	1,025	1,130	1,060	779	692	646	401	426	9,778
United States						Million gallons							
1977	15.1	17.0	24.4	26.1	30.4	34.0	34.4	32.5	26.1	20.9	17.2	15.3	293.3
1983	16.5	18.3	24.8	24.3	29.2	33.2	32.9	32.8	27.3	21.5	18.0	16.2	295.1
1984	17.0	20.5	24.5	25.2	30.5	33.7	33.3	32.1	24.6	22.9	18.9	16.8	299.8
1985	17.2	17.8	24.0	27.8	31.9	31.6	34.9	32.3	26.0	23.5	17.9	16.3	301.1
1986	19.0	19.5	25.8	28.9	32.6	33.8	35.1	32.3	26.1	24.4	18.3	18.9	314.7
1987[2]	19.1	21.6	27.4	29.1	31.7	36.7	37.2	32.9	28.0	25.0	20.6	21.0	330.3

[1] Includes hard and soft-serve. [2] Preliminary. [3] Includes hard, soft-serve, freezer-made milk shake, and substandard frozen dessert.

Iowa Non-Fat Dry Milk For Human Food: Quantity Manufactured (Spray And Roller Process), By Months

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand pounds							
1977	8,516	7,796	9,205	9,597	10,970	10,469	9,915	8,742	6,912	6,556	6,545	6,624	101,847
1983	7,255	6,624	7,696	7,180	8,616	9,353	9,728	8,425	6,639	6,083	5,795	6,593	89,987
1984	6,623	6,397	6,960	7,052	8,557	8,309	6,674	5,358	5,007	4,766	4,422	5,433	75,558
1985	5,743	5,990	7,385	8,345	10,194	10,469	10,214	10,158	7,384	7,215	6,654	7,402	97,153
1986	8,961	8,354	9,371	9,259	10,274	9,508	8,055	8,004	6,344	6,193	5,265	5,293	94,881
1987[1]	5,369	5,173	6,970	8,155	9,165	8,748	7,287	5,823	5,384	5,984	5,519	6,853	80,430
United States						Million pounds							
1977	70.3	71.7	88.0	105.9	119.9	130.2	123.2	106.0	77.6	70.3	65.1	78.0	1,106.0
1983	120.9	114.2	133.9	139.2	153.6	154.2	143.4	125.3	102.1	102.7	99.4	111.1	1,499.9
1984	106.8	98.9	108.0	113.9	125.2	116.0	106.2	87.4	70.8	71.2	68.2	88.1	1,160.7
1985	87.6	89.4	104.5	123.1	142.3	143.0	139.7	132.7	106.8	108.3	96.7	115.8	1,390.0
1986	122.4	113.9	127.2	139.0	147.4	133.7	110.9	90.4	74.3	68.8	66.7	89.4	1,284.1
1987[1]	82.0	79.1	92.6	107.7	122.6	109.2	99.5	80.4	65.7	64.7	65.5	90.0	1,059.0

[1] Preliminary.

Iowa Dry Whey: Quantity Manufactured, By Months

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Iowa						Thousand pounds							
1977	5,187	4,743	5,581	5,542	5,983	5,259	4,971	4,338	4,507	4,159	3,898	4,859	59,027
1983	5,880	5,394	5,525	5,883	5,996	5,824	4,044	4,692	5,135	5,444	5,067	5,385	64,269
1984	5,022	4,718	5,453	5,318	5,245	4,893	4,654	4,761	4,844	4,898	4,799	5,048	59,653
1985[1]	--	--	--	--	--	--	--	--	--	--	--	--	--
1986[1]	--	--	--	--	--	--	--	--	--	--	--	--	--
1987[1]	--	--	--	--	--	--	--	--	--	--	--	--	--
United States						Million pounds							
1977	53.5	49.1	58.5	59.4	61.4	59.9	49.0	46.2	45.5	45.5	43.7	53.5	625.2
1983	76.8	72.1	76.3	77.0	82.3	81.0	75.2	71.9	67.8	68.6	69.8	73.3	892.2
1984	78.5	74.5	81.2	78.8	81.3	78.3	74.1	71.7	69.2	71.9	65.4	73.0	897.9
1985	78.7	69.7	82.2	84.5	89.7	89.2	90.9	86.4	77.2	81.0	74.9	82.4	986.8
1986	87.6	79.8	91.9	92.8	98.2	98.3	89.5	82.8	79.2	77.6	72.0	81.3	1,031.0
1987[2]	78.6	75.6	89.6	91.3	98.3	90.8	88.0	84.5	85.3	82.1	79.8	90.5	1,034.3

[1] Data for Iowa not released to protect confidentiality of individual plants.. [2] Preliminary.

IOWA MILK

Production And Disposition

Year	Production	Milk used on farms where produced			Milk marketed by farmers			
		Fed to calves	Consumed as milk, cream, and butter	Total	Sold to plants and dealers		Sold directly to consumers	Total
					As milk	As cream		
				Million pounds				
IOWA								
1977	4,030	72	57	129	3,870	19	12	3,901
1982	4,004	74	42	116	3,888	–	–	3,888
1983	4,036	72	40	112	3,924	–	–	3,924
1984	3,805	144	50	194	3,611	–	–	3,611
1985	4,058	80	38	118	3,940	–	–	3,940
1986	3,879	87	42	129	3,750	–	–	3,750
1987[1]	3,550	80	40	120	3,430	–	–	3,430
UNITED STATES								
1977	122,654	1,548	1,295	2,843	118,172	186	1,498	119,856
1982	135,505	1,521	839	2,360	131,859	–	1,285	133,144
1983	139,672	1,527	842	2,369	136,090	–	1,211	137,301
1984	135,450	2,134	804	2,938	131,371	–	1,141	132,513
1985	143,147	1,747	709	2,456	139,436	–	1,255	140,691
1986	144,080	1,870	690	2,559	140,306	–	1,214	141,521
1987[1]	142,462	1,528	674	2,203	139,058	–	1,201	140,259

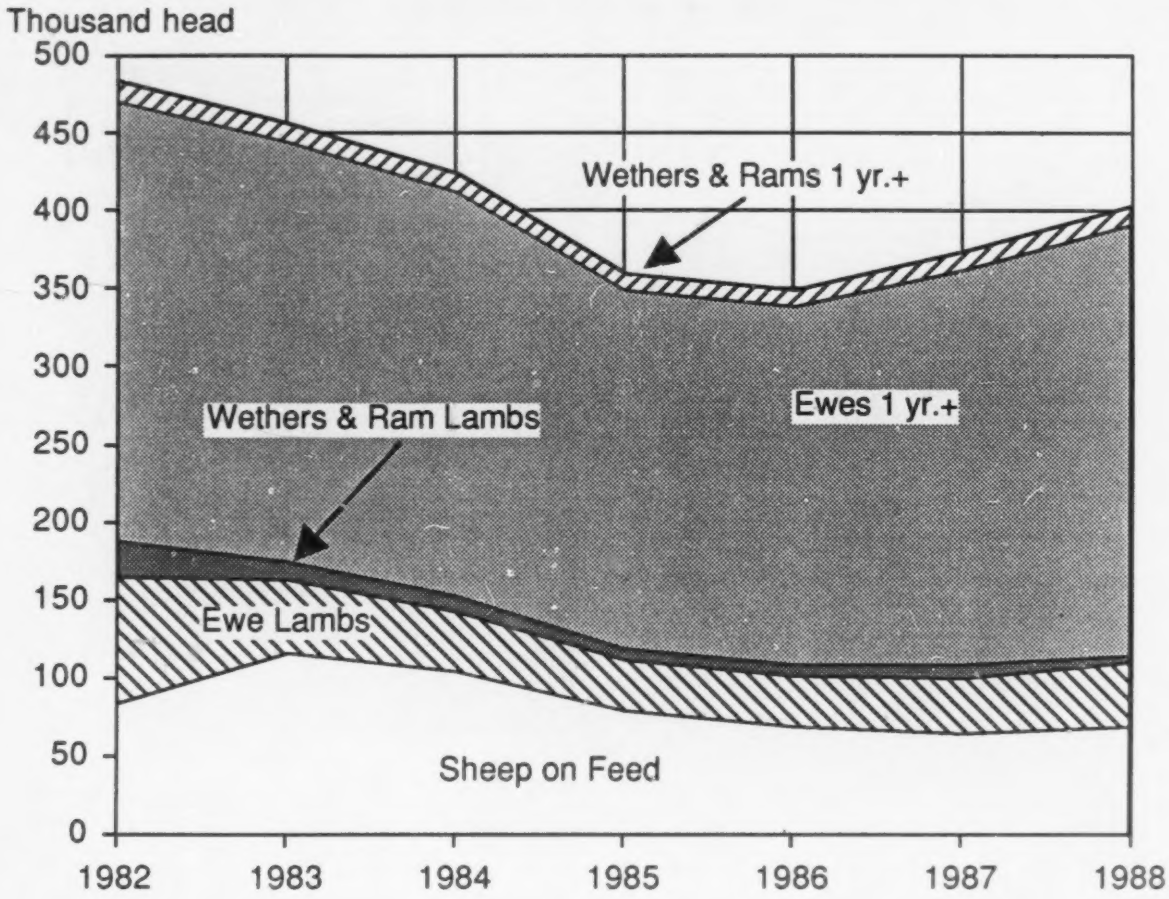
[1] Preliminary.

Value And Farm Income

Year	Milk sold to plants and dealers		Cash receipts from cream sold	Cash receipts from milk sold to consumer	Cash receipts from dairy	Value of milk consumed where produced	Gross farm income from dairy products
	Price per 100 lbs.	Cash receipts					
	Dollars	Thousand dollars					
IOWA							
1977	9.05	359,235	738	2,511	353,484	5,164	358,648
1982	13.20	513,216	–	–	513,216	5,544	518,760
1983	13.20	517,968	–	–	517,968	5,280	523,248
1984	13.10	473,041	–	–	473,041	6,550	479,591
1985	12.20	480,680	–	–	480,680	4,636	485,316
1986	12.00	450,000	–	–	450,000	5,040	455,040
1987[1]	12.10	415,030	–	–	415,030	4,840	419,870
UNITED STATES							
1977	9.72	11,488,120	6,058	255,314	11,749,492	126,448	12,023,440
1982	13.61	17,945,778	–	287,693	18,233,471	115,809	18,349,280
1983	13.58	18,484,507	–	272,423	18,756,930	115,894	18,872,823
1984	13.46	17,682,385	–	261,233	17,943,618	109,831	18,053,449
1985	12.75	17,778,640	–	284,321	18,062,961	92,329	18,155,290
1986	12.51	17,550,874	–	273,244	17,824,118	87,879	17,911,998
1987[1]	12.64	17,451,830	–	271,600	17,723,430	86,794	17,810,224

[1] Preliminary.

Iowa Sheep And Lambs: Inventory By Class, January 1



Iowa Sheep And Lambs: Number On Farms And Value, January 1

Year	All sheep and lambs			Stock sheep				
	Number on farms	Total value	Number on feed	Total	Ewe lambs	Wethers & ram lambs	Ewes 1 yr.+	Wethers & rams 1 yr.+
	Thou. head	Thou. $$	Thousand head					
1982	485	25,705	85	400	80	24	283	13
1983	457	22,850	117	340	47	12	270	11
1984	425	20,400	105	320	39	9	260	12
1985	360	20,520	80	280	33	7	230	10
1986	350	25,200	70	280	33	7	230	10
1987	375	28,875	65	310	36	8	255	11
1988[1]	405	40,095	70	335	41	5	277	12

[1] Preliminary.

IOWA SHEEP AND LAMBS

Inventory, Supply and Disposition

Year	Inventory January 1	Lamb Crop	Inshipments	Marketings Sheep	Marketings Lambs	Farm Slaughter	Sheep and Lamb Deaths
	Thousand head						
Iowa							
1977	388	292	98	32	297	4	75
1982	485	340	93	79	291	2	89
1983	457	320	79	25	311	2	93
1984	425	320	64	46	320	3	80
1985	360	310	89	19	322	1	67
1986	350	330	91	10	314	1	71
1987[1]	375	330	83	10	304	1	68
U.S.							
1977	12,722	8,573	2,148	1,450	7,361	198	2,014
1982	12,997	8,580	2,115	2,124	7,358	195	1,875
1983	12,140	8,209	1,838	1,820	7,104	171	1,608
1984	11,487	7,773	1,848	1,805	6,994	141	1,724
1985	10,443	7,412	1,693	1,569	6,478	135	1,383
1986[2]	9,983	7,356	1,792	1,310	6,084	128	1,275
1987[1]	10,334	7,230	1,991	1,276	6,157	112	1,236

[1] Preliminary. [2] Revised.

Number Slaughtered

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	Thousand head												
Iowa													
1977	20.8	24.7	33.5	23.2	22.7	27.1	26.2	31.5	25.4	25.5	22.7	23.6	306.8
1983	29.4	29.4	34.9	25.6	39.3	53.8	46.7	55.8	59.0	57.4	55.1	64.5	551.0
1984	64.5	72.4	71.1	64.8	71.3	58.8	68.6	74.5	66.1	75.0	71.1	74.1	832.4
1985	79.4	60.8	66.9	58.4	47.6	47.7	64.4	73.9	84.5	99.9	83.1	73.6	840.1
1986	62.1	46.7	54.5	39.5	36.8	46.8	36.4	40.6	41.7	44.3	34.3	37.0	520.5
1987[1]	35.4	35.6	35.7	33.8	36.8	43.8	46.0	43.1	47.7	52.3	42.1	45.2	497.5
U.S.													
1977	513.3	473.8	595.4	562.8	491.5	570.2	486.1	578.2	588.4	545.2	495.4	455.4	6,355.8
1983	521.7	468.5	633.5	523.5	526.8	525.5	514.3	608.3	617.0	600.6	528.2	551.3	6,619.4
1984	553.3	561.3	600.5	615.8	573.4	516.4	528.7	583.1	547.6	608.0	540.6	530.4	6,759.0
1985	556.8	483.8	578.0	533.4	508.9	438.0	502.5	516.6	497.1	570.4	475.3	504.4	6,165.2
1986	518.0	451.6	540.4	492.5	431.6	419.5	449.5	443.6	510.8	510.5	412.8	454.3	5,635.0
1987[1]	428.1	399.6	442.6	496.4	373.5	420.3	426.0	415.9	474.4	460.2	411.6	451.0	5,199.6

[1] Preliminary.

IOWA SHEEP AND LAMBS

Production And Income

Year	Production	Marketings	Average Price per 100 pounds Sheep	Lambs	Value of Production	Cash Receipts	Value of home consumption	Gross income
	Thousand pounds		Dollars		Thousand dollars			
IOWA								
1977	26,332	35,365	10.10	52.00	13,217	16,741	386	17,127
1982	29,786	39,387	20.90	52.90	13,236	17,726	257	17,983
1983	28,406	37,065	15.00	53.50	14,485	18,646	208	18,854
1984	28,924	40,528	15.90	61.90	17,445	22,484	360	22,844
1985	30,487	37,731	23.70	67.10	19,729	24,303	65	24,368
1986	33,099	36,547	28.30	69.80	21,744	25,008	135	25,143
1987[1]	33,451	35,530	29.60	74.80	23,003	26,030	73	26,103
U.S.								
1977	706,395	882,643	13.50	51.30	320,323	386,372	9,866	396,238
1982	785,425	1,017,918	19.50	53.10	355,703	445,134	13,000	458,134
1983	767,553	966,515	15.70	53.90	356,690	426,356	10,599	436,955
1984	692,185	941,196	16.40	60.10	375,584	465,450	11,129	476,579
1985	694,217	868,942	23.90	67.70	427,805	503,202	12,768	515,970
1986[2]	721,464	809,588	28.30	69.80	443,899	483,768	12,709	496,477
1987[1]	741,805	821,953	29.60	74.80	498,926	560,412	12,004	572,416

[1] Preliminary. [2] Revised.

Wool Production And Income

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value
	Thousand head	Pounds	Thousand pounds	Cents	Thousand dollars
IOWA					
1977	433	7.3	3,181	68	2,163
1982	530	7.2	3,822	44	1,682
1983	560	7.0	3,908	38	1,485
1984	470	6.9	3,262	54	1,761
1985	415	6.9	2,848	42	1,196
1986	435	7.0	3,054	45	1,374
1987[1]	495	6.9	3,424	55	1,883
U.S.					
1977	13,191.0	8.11	106,927	72.0	77,010
1982	13,151.5	8.03	105,596	68.5	72,349
1983	12,864.9	8.00	102,886	61.2	62,978
1984	12,284.3	7.77	95,471	79.5	75,876
1985	11,158.0	7.88	87,941	63.3	55,657
1986[2]	10,852.0	7.82	84,829	66.8	56,595
1987[1]	11,027.0	7.78	85,757	91.7	78,156

[1] Preliminary. [2] Revised.

1987 Poultry Summary

IOWA

Chicken inventories at 8.4 million birds on hand December 1, 1987, in the state showed an increase of 9 percent above the previous year. The average number of layers on hand during 1987 was 6.18 million, 6 percent above the 5.85 million birds during 1986. Production per bird at 248 eggs was up from 246 in 1986. Total egg production in 1987 was 1,534 million eggs, 6 percent above the previous year. Value of production from eggs dropped to $50.0 million from $58.6 million in 1986. The eggs produced brought an average of 39.1 cents per dozen, down from the 48.8 cents received in 1986.

Iowa hatcheries produced an estimated 20.907 million egg-type chicks during 1987, up 13 percent from the 18.532 million produced in 1986.

Turkey producers in Iowa raised 8.500 million turkeys in 1987, up from the 7.000 million produced in 1986. The average price received for this production was 35.0 cents per pound, down 10 cents from last year. The gross income totaled $67.830 million; this was down 6 percent from the $72.450 million in gross income last year.

UNITED STATES

The combined value of production from eggs, broilers and turkeys and the value of sales from chickens in 1987 was $11.2 billion, down 10 percent from the $12.4 billion in 1986. Of the combined total, 55 percent was from broilers, 29 percent from eggs, 15 percent from turkeys, and 1 percent from other chickens.

Value of egg production in 1987 was $3.18 billion, down 9 percent from the $3.51 billion in 1986. In 1987, eggs averaged 54.9 cents per dozen, compared with 61.6 cents in 1986.

The value of sales from chickens (excluding broilers) in 1987 was $114 million, down 11 percent from the $128 million a year ago. Prices averaged 11.0 cents per pound live weight compared with 12.5 in 1986.

The value of broilers produced during 1987 was $6.18 billion, down 9 percent from the $6.78 billion in 1986. The total number of broilers produced in 1987 was 5.00 billion, up 8 percent from 1986. A record high total of 21.5 billion pounds were produced compared with 19.7 billion a year earlier. Prices in 1987 averaged 28.7 cents per pound on a live weight equivalent basis, compared with 34.5 cents during 1986.

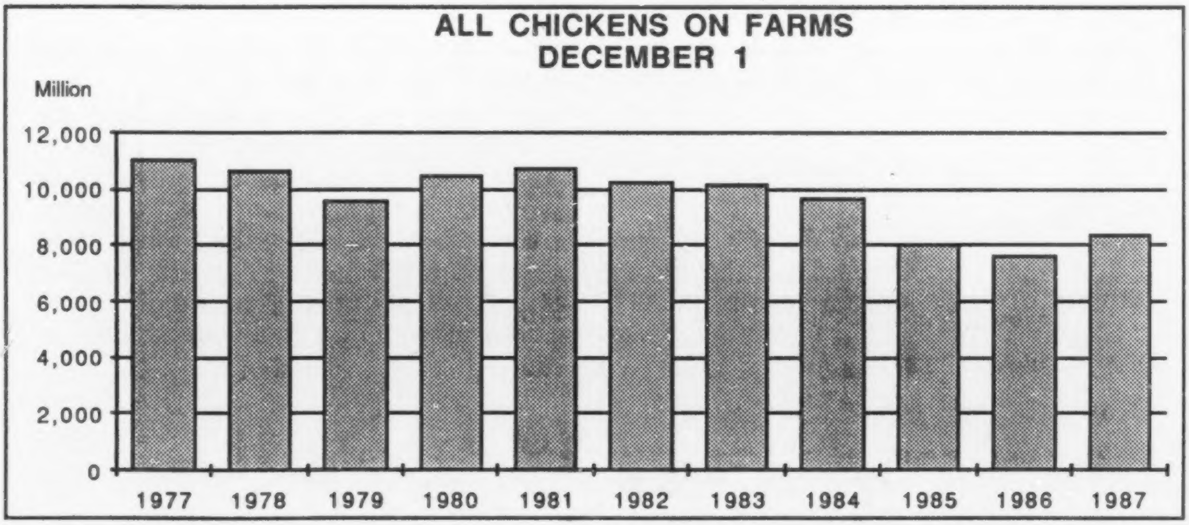
The value of turkeys produced during 1987 was $1.70 billion, 13 percent below the $1.95 billion level of the previous year. Turkey production in 1987 totaled 4.89 billion pounds live weight, compared with 4.14 billion pounds in 1986. The prices received by producers during 1987 averaged 34.8 cents per pound of live weight, compared with 47.1 cents a year earlier.

IOWA CHICKENS

Number On Farms December 1, Rate of Lay And Egg Production

Year	Chickens on farms, December 1			Average number of layers during year	Annual rate of lay per hen	Total egg production
	All chickens[1]	Value	Hens and pullets of laying age			
	Thousand head	Thousand dollars	----- Thousand birds -----		Number of eggs	Million eggs
IOWA						
1977	11,070	17,712	8,150	8,429	238	2,004
1982	10,300	17,510	8,200	8,213	242	1,985
1983	10,200	19,380	7,600	7,692	238	1,827
1984	9,700	17,945	7,100	7,444	238	1,769
1985	8,100	14,175	6,200	6,546	244	1,600
1986	7,700	14,630	6,000	5,845	247	1,441
1987[2]	8400	13,440	6,800	6,175	248	1,534
U.S.						
1977	386,518	651,851	286,677	274,642	235	64,540
1982	370,219	702,556	289,637	286,369	243	69,718
1983	364,800	716,700	278,517	276,263	247	68,169
1984	374,008	754,312	285,848	278,022	245	68,230
1985	368,548	700,150	279,769	276,680	247	68,407
1986	368,681	690,165	280,140	276,870	247	68,514
1987[2]	377,516	706,079	285,529	280,475	248	69,492

[1] Excluding commercial broilers. [2] Preliminary.



ALL CHICKENS ON FARMS
DECEMBER 1

Average Number Of Hens And Pullets Of Laying Age On Farms, By Months

Year	Dec.[1]	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Avg.
IOWA						Thousand birds							
1977	9,125	8,850	8,425	8,225	8,350	8,400	8,300	8,050	8,250	8,550	8,400	8,225	8,429
1983	8,200	8,025	7,825	7,600	7,350	7,350	7,600	7,675	7,638	7,551	7,688	7,800	7,692
1984	7,650	7,520	7,470	7,650	7,600	7,415	7,265	7,201	7,325	7,451	7,475	7,300	7,498
1985	7,180	7,045	6,921	6,628	6,543	6,511	6,351	6,270	6,276	6,341	6,291	6,200	6,547
1986[2]	6,151	6,050	5,950	5,900	5,851	5,801	5,681	5,653	5,708	5,711	5,785	5,910	5,846
1987[2,3]	6,130	6,205	6,125	6,101	6,100	6,076	6,010	5,970	6,085	6,300	6,400	6,600	6,175
UNITED STATES						Million birds							
1977	280	278	276	274	272	269	267	267	271	277	281	284	275
1983	288	285	289	279	275	272	271	270	271	272	274	277	276
1984	278	277	277	278	277	276	276	275	276	279	281	284	278
1985	286	284	280	278	274	271	269	271	273	275	278	280	277
1986[2]	234	234	233	232	230	229	227	227	227	229	232	233	231
1987[2,3]	234	236	236	235	233	231	229	229	231	234	236	238	234

[1] December preceding year. [2] Totals are for 20 states, not U.S. [3] Preliminary.

Number Of Eggs Per 100 Layers, By Months

Year	Dec.[1]	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.
IOWA												
1977	1,953	1,972	1,828	2,049	1,980	2,034	1,920	2,003	2,063	1,950	2,034	1,977
1983	2,037	2,031	1,866	2,118	1,932	2,000	2,013	2,033	1,990	1,894	1,951	1,885
1984	1,987	2,035	1,928	2,039	1,947	1,982	1,927	2,000	1,925	1,906	2,074	2,014
1985	2,131	2,115	1,893	2,082	2,002	2,089	2,059	2,057	1,992	1,956	2,051	2,000
1986[2]	2,065	2,050	1,866	2,153	2,068	2,103	2,042	2,087	2,102	2,014	2,057	2,047
1987[2,3]	2,170	2,160	1,943	2,147	2,000	2,041	2,013	2,094	2,054	1,984	2,125	2,106
UNITED STATES												
1977	1,971	1,956	1,782	2,021	1,971	2,034	1,950	1,986	1,978	1,921	1,990	1,944
1983	2,097	2,084	1,899	2,127	2,045	2,096	2,039	2,099	2,084	2,021	2,078	2,008
1984	2,078	2,054	1,925	2,084	2,032	2,079	1,999	2,086	2,088	2,014	2,080	2,022
1985	2,109	2,092	1,887	2,138	2,067	2,112	2,034	2,090	2,087	2,018	2,069	2,020
1986[2]	2,106	2,097	1,900	2,126	2,049	2,114	2,059	2,095	2,093	2,028	2,091	2,051
1987[2,3]	2,126	2,095	1,896	2,145	2,080	2,109	2,032	2,095	2,077	2,020	2,098	2,047

[1] December preceding year. [2] Totals are for 20 states, not U.S. [3] Preliminary.

Iowa Chickens: Production And Income

Year	Sold	Price per pound	Cash receipts
	Thousand pounds	Cents	Thousand $$
1977	29,050	9.2	2,673
1983	28,000	10.4	2,912
1984	27,650	12.6	3,484
1985	17,500	11.6	2,030
1986	15,750	11.9	1,874
1987[1]	17,500	10.9	1,908

[1] Preliminary.

Iowa Broilers: Commercial Production And Income

Year	Number produced	Weight per bird	Total lbs. produced	Price per pound	Gross income
	Thousand	Pounds	Thousand pounds	Cents	Thousand $$
1977	3,494	7.0	24,458	30.5	7,460
1983	2,600	7.5	19,500	36.0	7,020
1984	2,100	8.0	16,800	36.0	6,048
1985	2,000	8.5	17,000	32.0	5,440
1986	2,700	8.5	22,950	33.0	7,574
1987[1]	2,600	9.0	23,400	27.0	6,318

[1] Preliminary.

IOWA EGGS

Production And Income

Year	Eggs Produced	Price per dozen	Gross income
	Million eggs	Cents	Thousand $$
1977	2,004	42.2	69,560
1983	1,827	48.0	73,080
1984	1,769	61.0	89,924
1985	1,600	44.4	59,200
1986	1,441	48.8	58,601
1987[1]	1,534	39.1	49,983

[1] Preliminary.

Number Produced, By Month

Year	Dec[1].	Jan.	Feb.	Mar.	Apr	May	June	July	Aug.	Sep.	Oct.	Nov.	Total
							Million eggs						
1977	178	175	154	169	165	171	159	161	171	167	171	163	2,004
1983	167	163	146	161	142	147	153	156	152	143	150	147	1,826
1984	152	153	144	156	148	147	140	144	141	142	155	147	1,769
1985	153	149	131	138	131	136	131	129	125	124	129	124	1,600
1986	127	124	111	127	121	122	116	118	120	115	119	121	1,441
1987[2]	133	134	119	131	122	124	121	125	125	125	136	139	1,534

[1] Previous year. [2] Preliminary.

Iowa Egg-Type Chicks Hatched

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
						Thousand birds							
1977	1,245	1,448	1,637	2,121	2,460	2,211	1,095	1,552	1,730	1,208	1,603	1,173	19,483
1981	1,657	1,727	2,143	2,556	2,502	2,373	2,245	1,913	1,931	1,862	1,808	1,736	24,453
1982	1,713	1,644	2,029	2,096	2,357	2,095	1,676	2,014	2,105	1,411	1,415	1,761	22,316
1983	1,759	1,506	1,941	2,023	1,840	2,132	1,171	1,304	1,294	1,299	1,300	1,675	19,244
1984	2,096	1,551	1,912	2,089	2,175	2,218	1,758	1,174	1,506	815	1,397	1,137	19,828
1985	1,206	1,209	1,207	2,253	2,140	1,766	1,369	1,338	1,409	1,260	1,529	1,428	18,114
1986	1,153	1,457	1,524	1,971	2,118	1,829	1,433	1,073	1,860	1,524	1,231	1,359	18,532
1987[1]	1,645	1,773	1,730	2,302	2,139	1,740	1,836	1,792	1,553	1,491	1,494	1,412	20,907

[1] Preliminary.

U.S. Broiler-Type Chicks Hatched

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
						Million birds							
1977	294	272	323	325	337	320	310	295	280	291	282	306	3,637
1981	370	344	399	390	403	383	374	365	350	342	332	365	4,417
1982	373	336	391	386	403	385	382	378	348	345	346	373	4,446
1983	382	348	400	389	395	382	378	372	344	345	336	375	4,447
1984	370	357	398	395	409	397	393	394	362	367	357	395	4,594
1985	402	365	419	412	424	411	408	406	380	383	379	415	4,802
1986	409	376	433	424	439	429	430	416	402	416	403	437	5,013
1987[1]	439	405	456	456	474	461	463	456	434	442	423	470	5,379

[1] Preliminary.

Turkeys: Poults Hatched, By Months And Region, 1987, And U.S., 1986-87

Month	United States			East North Central	West North Central	North & South Atlantic	South Central	West
	1986	1987	1987 as percent of 1986	1987				
	----- Thousand -----			---------- Thousand ----------				
Jan.	17,204	21,646	126	1,935	6,885	6,984	2,472	3,370
Feb.	18,608	21,265	114	1,961	7,036	6,243	2,600	3,425
Mar.	20,761	25,401	122	2,307	8,820	7,306	2,821	4,147
Apr.	23,065	26,703	116	2,708	9,308	7,606	2,927	4,154
May	24,337	26,623	109	2,904	9,065	7,757	2,862	4,035
June	23,394	27,265	117	3,283	9,281	8,114	2,819	3,768
July	22,310	25,999	117	2,879	8,455	8,013	2,693	3,959
Aug.	16,405	19,889	121	2,163	5,230	7,009	1,814	3,673
Sep.	13,620	15,024	110	1,657	4,535	5,222	1,063	2,547
Oct.	14,135	16,743	118	1,854	5,211	3,938	1,309	2,431
Nov.	13,836	17,714	128	2,097	5,071	6,408	1,705	2,433
Dec.	17,705	19,956	113	2,228	5,839	6,732	2,401	2,756
Total	225,380	264,228	117	27,976	84,736	83,332	27,486	40,698

TURKEYS: PRODUCTION AND VALUE, JANUARY 1

Iowa

Year	Number raised during year – All breeds	Total weight	Price per pound	Value of production
	Thousand	Thousand lbs.	Cents	Thousand $$
1978	6,259	134,569	43.8	58,941
1983	6,710	151,646	37.0	56,109
1984	5,800	132,820	46.0	61,097
1985	6,300	129,797	46.0	67,234
1986	7,000	161,000	45.0	72,450
1987[1]	8,500	193,800	35.0	67,830
1988[2]	8,500			

[1] Revised. [2] Intentions.

United States

Year	Number raised during during year[1] —All breeds	Total weight [2]	Price per pound	Value of production
	Million	Million lbs.	Cents	Thousand $$
1978	138.9	2,655	43.6	1,157,200
1983	170.7	3,335	38.0	1,269,051
1984	171.3	3,385	48.9	1,655,463
1985	185.3	3,702	49.1	1,818,743
1986	206.7	4,142	47.1	1,951,570
1987[3]	240.3	4,888	34.8	1,701,137
1988[4]	249.7			

[1] Does not include young turkeys lost. [2] Includes home consumption. [3] Revised. [4] Intentions for 20 major states.

HONEY PRODUCTION FOR IOWA AND OTHER LEADING STATES, 1987[1]

State	Number of colonies	Yield per colony	Production	Stocks Dec. 15	Average price per pound	Value of production
	Thousand	Pounds	Thousand pounds		Cents	Thousand $$
Alabama	46	35	1,610	242	50	805
Arizona	73	47	3,431	309	53	1,818
California	500	33	16,500	1,650	51	8,415
Colorado	44	73	3,212	96	53	1,702
Florida	240	79	18,960	1,327	50	9,480
Georgia	120	38	4,560	502	55	2,508
Idaho	105	60	6,300	945	55	3,465
Iowa	44	103	4,532	1,314	58	2,629
Kansas	46	51	2,346	821	64	1,501
Michigan	80	68	5,440	1,034	53	2,883
Minnesota	150	108	16,200	1,296	46	7,452
Montana	95	102	9,690	1,066	46	4,457
Nebraska	120	92	11,040	2,208	45	4,968
New York	90	44	3,960	1,188	69	2,732
N. Dakota	280	110	30,800	3,388	44	13,552
Ohio	55	50	2,750	853	66	1,815
Oregon	55	42	2,310	531	53	1,224
Pennsylvania	48	39	1,872	711	62	1,161
S. Dakota	250	134	33,500	5,360	45	15,075
Texas	110	74	8,140	1,465	54	4,396
Washington	75	55	4,125	206	44	1,815
Wisconsin	83	97	8,051	1,047	54	4,348
Wyoming	37	78	2,886	548	53	1,530
U.S.	3,190	71.1	226,822	33,094	50.7[2]	115,356

[1] Preliminary. [2] Weighted by sales.

Iowa Farms With Livestock And Poultry: Production And Percent[1] Of All Farms

Year	Farms marketing slaughter hogs		Farms with hogs		Farms with sheep and lambs	
	Number	Pct.	Number	Pct.	Number	Pct.
1979	50,000	41	65,000	54	12,000	10
1980	50,000	42	64,000	54	12,500	11
1981	48,000	41	60,000	51	14,000	12
1982	46,000	39	51,000	44	14,000	12
1983	47,000	41	53,000	46	13,000	11
1984	40,000	35	45,000	40	12,500	11
1985	38,000	34	43,000	39	10,500	9
1986	34,000	31	38,000	35	12,000	11
1987[2]	35,000	33	39,000	36	11,000	10

Year	Farms marketing grain fed cattle		Farms with milk cows		Farms with cattle and calves		Farms with beef cows[3]	
	Number	Pct.	Number	Pct.	Number	Pct.	Number	Pct.
1979	32,000	26	15,000	12	75,000	62		
1980	30,000	25	14,000	12	71,000	60		
1981	26,000	22	14,000	12	71,000	60		
1982	24,000	21	13,000	11	70,000	60		
1983	23,000	20	12,000	10	68,000	59		
1984	19,000	17	11,000	10	66,000	58		
1985	15,500	14	10,500	9	64,000	58		
1986	11,500	11	10,000	9	63,000	58	38,000	36
1987[2]	10,000	9	9,500	9	61,000	57	37,000	35

[1] Percent computed on the number of all farms January 1 of the following year. [2] Preliminary.
[3] Series started in 1986.

Per Capita Consumption of Red Meat in the United States (Carcass Weight)

Year	Beef	Veal	Lamb and Mutton	Pork	All Meats	All Poultry[1]
			Pounds			
1979	105.5	2.1	1.6	68.7	177.9	60.9
1980[2]	103.2	1.8	1.5	73.2	179.7	61.0
1981[2]	104.2	1.9	1.6	69.9	177.7	52.8
1982[2]	103.7	2.0	1.7	62.5	169.9	64.1
1983[2]	105.7	2.0	1.6	65.7	175.0	65.1
1984[2]	105.5	2.1	1.7	65.3	174.6	67.0
1985[2]	106.5	2.2	1.6	65.8	176.1	70.5
1986[2]	107.3	2.3	1.6	62.1	173.5	72.9
1987[2]	103.4	1.9	1.5	62.6	169.4	77.7

[1] All poultry is dressed weight. [2] Revised.

FARM RECEIPTS and PRICES

Photo Courtesy of Pioneer Hi-Bred

1987 Iowa Farm Receipts And Prices

Index - Prices Received

The Iowa Index of Prices Received for All Farm Products for 1987 averaged 115 (1977=100), an increase of 2 percent from the average of 113 in 1986. Higher cattle and hog prices more than offset lower corn and soybean prices, resulting in the slight overall gain for 1987. The high for the year was 125 in June, and the low was 107 in January.

The All-Crop Index averaged 74 (1977=100), 10 percent below the 82 in 1986. The index began the year at 69 in January and finished the year in December at 82. The high for the year was 82 in December, and the low was 67 in February.

The Livestock and Livestock Products Index averaged 142 (1977=100), 7 percent above the 133 in 1986. The high for the year was 154 in June, and the low was 130 in December.

Cash Receipts

Iowa farmers were third in total cash receipts, excluding government payments, in 1987. The state ranked second in livestock and livestock products and fourth in crop receipts. Iowa farmers sold farm commodities worth $9.10 billion in 1987, nearly identical to 1986's $9.11 billion. Livestock and livestock products contributed 62 percent and crops 38 percent of the total receipts for 1987.

Livestock and Livestock Product Receipts and Prices

Livestock and livestock product receipts at $5.61 billion was 13 percent above the $4.98 billion in 1986. Steer and heifer prices averaged $64.40 per hundredweight in 1987, up 13 percent from $57.00 in 1986. The average price ranged from a high of $67.50 in June to a low of $59.30 in January.

Barrow and gilt prices averaged $52.50 per hundredweight, up from $50.00 in 1986 and is the highest annual price since $52.60 in 1982. Prices ranged from a high of $62.00 in July to a low of $41.20 in December.

Lamb prices averaged $74.80 per hundredweight in 1987, up from $69.80 in 1986. This is the highest annual lamb price on record. Prices ranged from a high of $91.60 in May to a low of $64.70 in November. Wool prices averaged 55 cents per pound in 1987 compared to 45 cents per pound in 1986.

Milk prices for all milk averaged $12.10 per hundredweight in 1987, up 10 cents from the $12.00 in 1986. Average monthly prices ranged from a low of $11.40 in June to a high of $12.70 in January and October.

Market egg average prices ranged from a high of 43.0 cents in September to a low of 29.0 cents in May.

Crop Receipts[1]

Iowa farmers received $3.50 billion from the sale of crops in 1987. This is 15 percent below the $4.12 billion received in 1986 but does not include any government payments for set-aside acres, deficiency payments, or CCC forfeitures. Government payments in 1987 totaled a record $1.99 billion, 71 percent above last year's $1.16 billion.

The preliminary marketing year average price received for corn in 1986-87 was $1.41 per bushel. The marketing year began with $1.26 per bushel in September and ended with $1.35 per bushel in August. During the 1987 calendar year, average monthly prices ranged from a high of $1.61 per bushel in December to a low of $1.30 in February.

The preliminary marketing year average price for soybeans in 1986-87 was $4.73. The marketing year began with $4.75 per bushel in September and ended with $4.95 per bushel in August. The average monthly prices for the 1987 calendar year ranged from a high of $5.48 per bushel in December to a low of $4.58 per bushel in February.

The preliminary marketing year average price for oats in 1986-87 was $1.17 per bushel. The marketing year began with 95 cents in July and ended with $1.61 in June. Average monthly prices for the 1987 calendar year ranged from a high of $1.86 per bushel in December to a low of $1.40 per bushel in July.

The preliminary marketing year average price for all hay in 1986-87 was $40.50 per ton. Prices ranged from a high of $44.00 per ton in December to a low of $39.00 per ton in July and August.

Crop Values[2]

Value of Iowa 1987 farm crops, including fruits, nuts, and commercial vegetables, totaled $4.29 billion, 1 percent below the 1986 value of $4.33 billion.

Corn, soybeans and hay accounted for 98.5 percent of Iowa's crop value. Corn accounted for 48.7 percent, soybeans for 42.9 percent, and hay 6.9 percent of the total crop value.

Feed Ratios

The 1987 beef-corn ratio averaged 42.7; the high was 46.6 in September and the low was 38.5 in December. This is the highest annual average on record and is 37 percent above the previous record set in 1986; the lowest was 7.6 in 1917.

The average hog-corn ratio was 35.6; the high was 44.0 in August, and the low was 25.3 in December. This is also the highest annual average on record and is 19 percent above the previous record set in 1986; the lowest was 8.1 in 1934.

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[1] Crop receipts is the amount of payment received from the quantity of crops sold based on monthly sales. [2] Value of production is the total production of a crop multiplied by the market year average price.

Iowa Cash Farm Income, By Commodities

Commodity	Cash farm income[1] 1977	1985	1986	Sources of cash farm income 1977	1985	1986
	---------- 1,000 dollars ----------			---------- Percent ----------		
Crops						
Corn	1,165,412	2,776,359	2,472,849	16.9	29.3	27.2
Soybeans	1,337,318	1,641,736	1,506,660	19.4	17.3	16.5
Oats	31,942	35,374	20,497	.5	.4	.2
Hay	37,677	47,158	46,451	.5	.5	.5
Wheat	9,831	13,529	5,551			
Potatoes	1,801	1,217	1,217			
Sorghum grain	1,796	–	–			
Vegetable crops	6,788	4,001	4,297	.9	.9	.9
Fruits and nuts	1,535	2,164	1,948			
Other crops	5,192	11,795	9,311			
Nursery, greenhouse, and forest	33,049	48,962	54,907			
Crops total	2,632,341	4,582,295	4,123,688	38.2	48.4	45.3
Livestock and livestock products						
Hogs	1,965,183	2,474,317	2,629,202	28.5	26.1	28.9
Cattle and calves	1,794,565	1,748,500	1,719,403	26.0	18.5	18.9
Sheep and lambs	16,741	24,304	25,007			
Wool	2,163	1,196	1,374	.3	.3	.3
Dairy products	353,484	480,680	450,000	5.1	5.1	4.9
Turkeys	41,516	67,234	72,450	.6	.7	.8
Eggs	67,235	59,200	58,601	1.0	.6	.6
Farm chickens	2,429	2,030	1,874			
Other poultry	10,333	9,218	9,962	.2	.1	.1
Other livestock	8,167	16,430	14,555	.1	.2	.2
Livestock total	4,261,816	4,883,109	4,982,428	61.8	51.6	54.7
Crops and livestock	6,894,157	9,465,404	9,106,116	100.0	100.0	100.0
Government payments[2]	28,901	691,136	1,161,182			
Grand total	6,923,058	10,156,540	10,267,298			

[1] "Cash farm income" relates to the value of quantities of each products sold off the farm. These data show the direct income from crops sold. Income from crops fed to livestock is included as part of livestock income. [2] Includes agricultural conservation, price adjustment payments to farmers, and agricultural production and practice payments.

Cash Receipts From Marketings, State Rankings, 1986-1987

Source of cash receipts[1]	Rank 1	2	3	4	5	6	7	8	9	10
						1986				
Crops	Cal.	Ill.	Iowa	Fla.	Texas	Minn.	Neb.	Idaho	Ohio	Kans.
Livestock and livestock products	Texas	Iowa	Cal.	Neb.	Wis.	Kans.	Minn.	Pa.	Colo.	N.C.
Total	Cal.	Iowa	Texas	Neb.	Ill.	Minn.	Kans.	Wis.	Fla.	Idaho
						1987[2]				
Crops	Cal.	Fla..	Ill.	Iowa	Texas	Minn.	Ind.	Neb.	Wash.	Kans.
Livestock and livestock products	Texas	Iowa	Neb.	Cal.	Wis.	Kans.	Minn.	Colo.	Ill.	Pa.
Total	Cal.	Texas	Iowa	Neb.	Ill.	Minn.	Kans.	Wis.	Fla.	Ind.

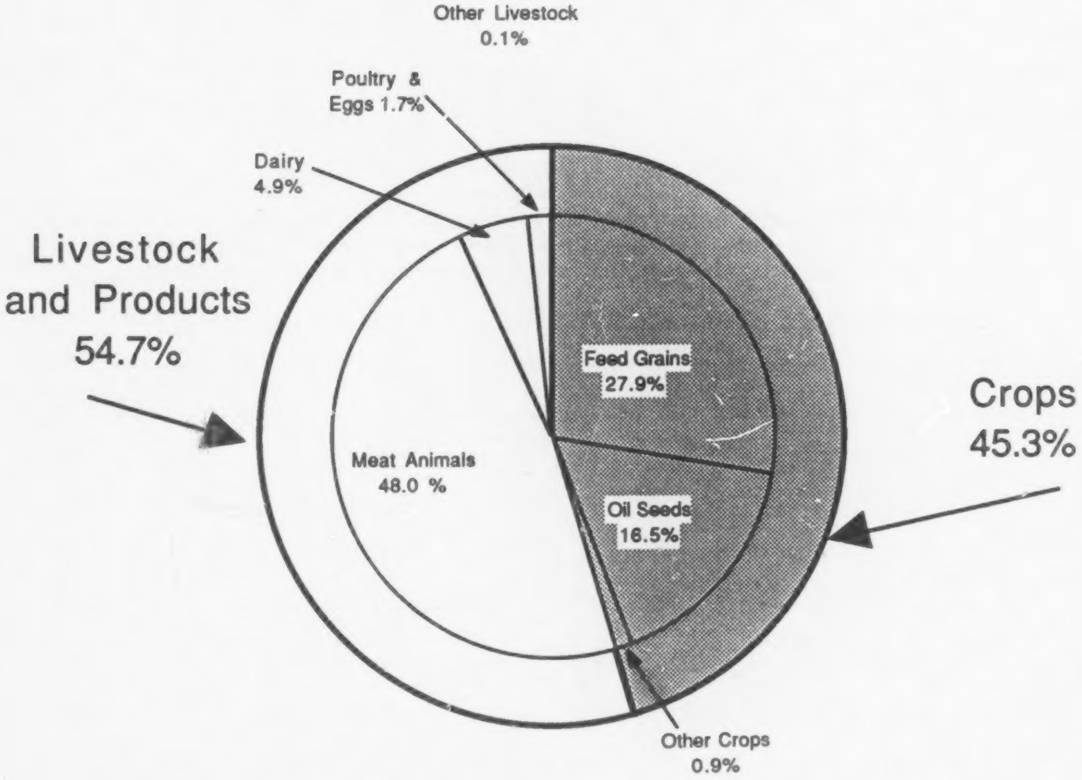
[1] Excludes government payments. [2] Preliminary.

Iowa: Monthly Cash Receipts From Farm Marketings

Month and annual	Crops				Livestock & Products				Total Receipts			
	1986		1987[1]		1986		1987[1]		1986		1987[1]	
	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total	Total receipts	% of annual total
	Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars		Thou. dollars	
Jan.	942,005	22.8	787,218	22.5	489,403	9.8	498,659	8.8	1,431,408	15.7	1,285,877	14.1
Feb.	308,003	7.5	283,407	8.1	348,923	7.1	406,854	7.3	656,926	7.2	690,261	7.6
Mar.	240,358	5.8	121,012	3.5	383,719	7.7	480,221	8.6	624,077	6.9	601,233	6.6
Apr.	203,743	4.9	200,643	5.7	355,823	7.1	477,533	8.5	559,566	6.1	678,176	7.4
May	146,423	3.6	126,140	3.6	374,744	7.5	439,552	7.8	521,167	5.7	565,692	6.2
June	150,547	3.7	152,382	4.4	382,935	7.7	447,332	8.0	533,482	5.9	599,714	6.6
July	103,269	2.5	154,955	4.4	392,554	7.9	428,937	7.7	495,823	5.5	583,892	6.4
Aug.	71,993	1.7	114,163	3.3	454,256	9.1	468,765	8.4	526,249	5.8	582,928	6.4
Sep.	122,949	3.0	40,819	1.2	418,554	8.4	484,627	8.6	541,503	5.9	525,446	5.8
Oct.	246,224	6.0	448,668	12.8	425,787	8.5	486,696	8.7	672,011	7.4	935,364	10.3
Nov.	674,867	16.4	753,407	21.5	473,361	9.5	493,493	8.8	1,148,228	12.6	1,246,900	13.7
Dec.	913,307	22.1	314,560	9.0	482,369	9.7	493,589	8.8	1,395,676	15.3	808,149	8.9
Annual	4,123,688	100.0	3,497,374	100.0	4,982,428	100.0	5,606,258	100.0	9,106,116	100.0	9,103,632	100.0

[1] Preliminary.

Source of Iowa's 1986 Cash Receipts



Iowa Realized Gross Farm Income[1]

Calendar year	Cash Receipts from farm marketings			Government payments	Non-money income	Other farm income	Realized gross farm income	
	Livestock	Crops	Total crops & livestock				Total all farms	Average per farm
	Million dollars							Dollars
1977	4,261.8	2,632.3	6,894.2	28.9	516.2	68.6	7,507.9	60,063
1978	5,449.5	3,104.3	8,553.9	271.0	535.9	74.6	9,435.4	76,711
1979	5,543.5	3,719.0	9,262.5	69.2	557.1	80.9	9,969.7	82,394
1980	5,311.5	4,950.5	10,262.1	44.6	654.9	76.4	11,038.0	92,756
1981	5,678.8	4,941.7	10,620.5	58.2	727.5	84.6	11,490.8	97,380
1982	5,906.6	4,108.8	10,015.4	215.9	702.3	301.7	11,235.3	96,028
1983	5,140.3	4,102.1	9,242.4	925.9	602.1	282.1	11,052.5	96,109
1984	5,014.6	3,933.8	8,948.4	742.8	527.1	191.8	10,410.1	92,125
1985	4,883.1	4,582.3	9,465.4	691.1	392.1	226.4	10,775.0	97,072
1986	4,982.4	4,123.7	9,106.1	1,161.2	310.1	196.3	10,773.7	98,841
1987[2]	5,606.3	3,497.4	9,103.7	1,987.7	--NA--	--NA--	--NA--	--NA--

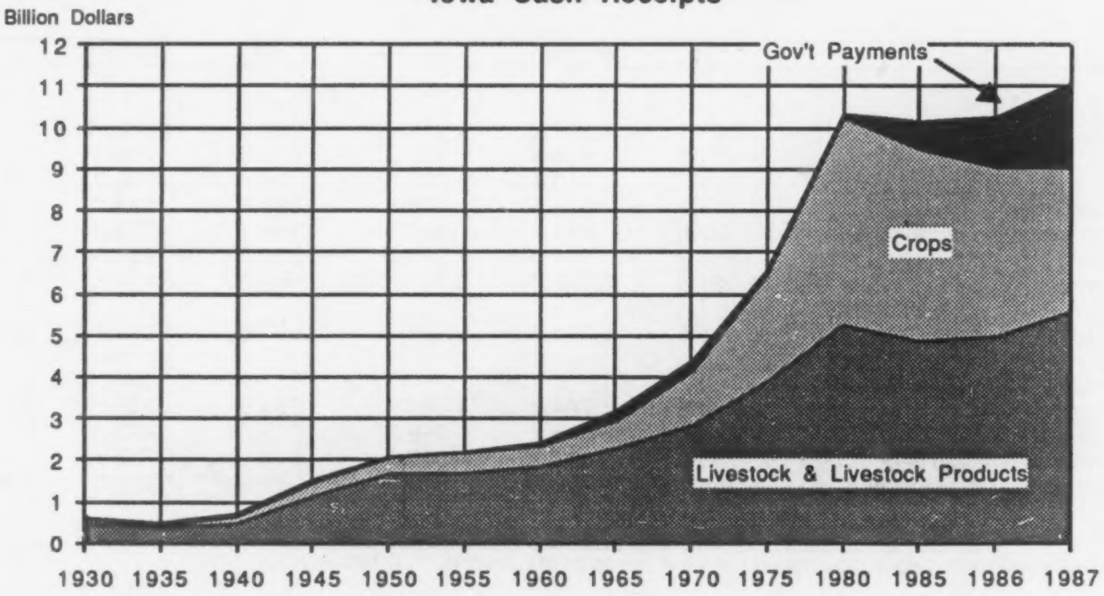
[1] Years 1982-86 have been revised; individual items may not add to totals due to rounding. [2] Preliminary; data not all available at time of publication.

Iowa Realized Net Farm Income[1]

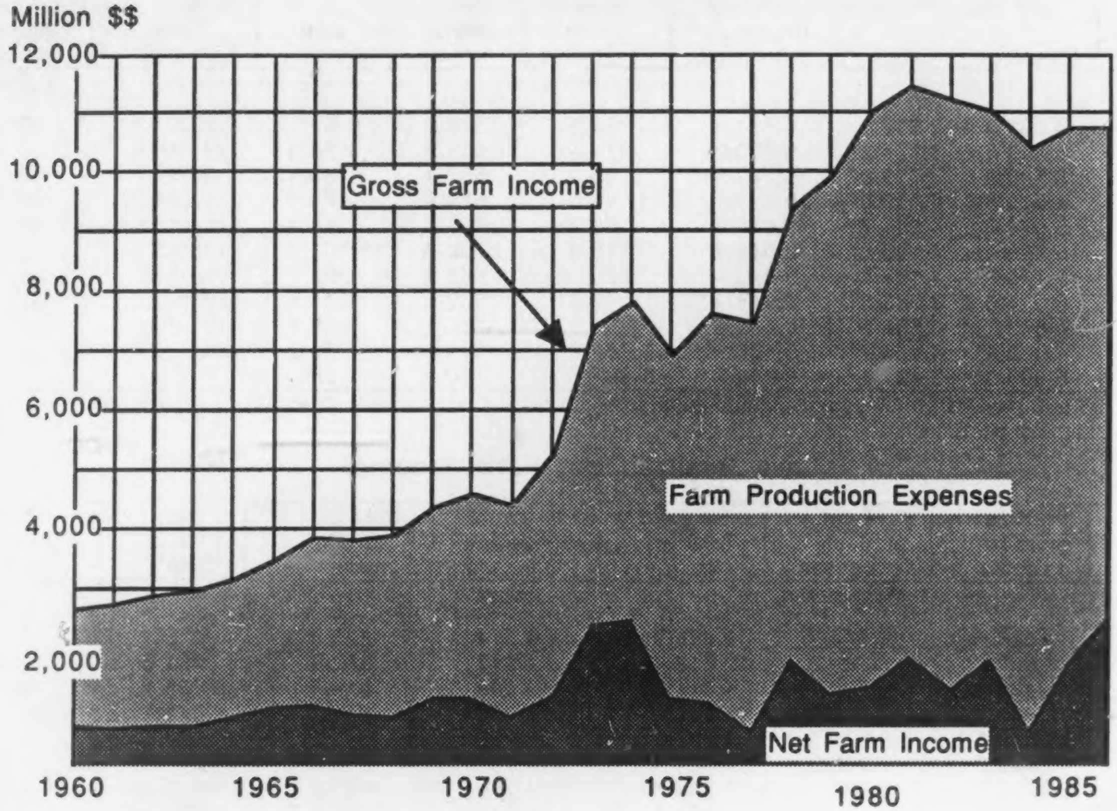
Calendar year	Realized gross farm income	Farm production expenses	Realized net farm income		Net change in farm inventories	Total net farm income	
			Total, all farms	Average per farm		Total, all farms	Average per farm
	Million dollars			Dollars	Million dollars		Dollars
1976	7,633.6	6,544.7	1,088.9	8,574	-173.8	915.1	7,206
1977	7,507.9	6,889.5	618.4	4,947	362.7	981.0	7,848
1978	9,435.4	7,824.3	1,611.1	13,098	414.1	2,025.1	16,464
1979	9,969.7	9,212.7	757.0	6,256	614.2	1,371.1	11,331
1980	11,038.0	9,971.1	1,066.9	8,966	-646.1	420.8	3,536
1981	11,490.8	9,908.9	1,581.9	13,406	259.6	1,841.5	15,606
1982	11,235.3	9,930.7	1,304.6	11,150	-441.6	862.9	7,375
1983	11,052.5	9,247.8	1,804.7	15,693	-2,009.9	-205.1	-1,783
1984	10,410.1	9,779.5	630.6	5,581	650.7	1,281.3	11,339
1985	10,775.0	9,014.2	1,760.8	15,863	-171.3	1,589.5	14,320
1986[2]	10,773.7	8,214.1	2,559.6	23,483	-229.0	2,330.6	21,382

[1] Years 1982-86 have been revised; individual items may not add to totals due to rounding. [2] Preliminary.

Iowa Cash Receipts



Iowa Farm Income[1]



[1] Net Income and Gross Income exclude changes in farm inventories.

Iowa Farm Production Expenses[1]

Item	1981	1982	1983	1984	1985	1986[2]
			Million dollars			
Feed	1,207.7	1,217.2	1,322.0	1,156.8	1,044.7	941.1
Livestock	781.5	820.9	539.2	519.5	453.5	577.7
Seed	329.7	313.1	295.4	340.4	330.7	294.6
Fertilizer and lime	715.3	578.5	428.5	538.5	523.7	381.8
Repairs and operation of capital items	472.8	411.3	408.8	390.1	372.5	368.1
Hired labor	231.2	244.4	235.4	233.5	236.1	238.0
Miscellaneous	2,581.3	2,698.8	2,691.9	2,689.8	2,410.5	2,063.0
Total operating expenses	6,319.5	6,284.2	5,921.2	5,868.6	5,371.7	4,864.3
Depreciation and other consumption of farm capital	1,744.8	1,764.2	1,663.0	1,556.9	1,379.0	1,230.8
Taxes on farm property	345.0	316.8	300.3	257.8	263.2	253.9
Interest on farm mortgage debt	733.1	833.3	835.3	816.6	730.1	674.9
Net rent to non-operator landlords	766.5	732.2	528.0	1,279.6	1,270.2	1,190.2
Total production expenses	9,908.9	9,930.7	9,247.8	9,779.5	9,014.2	8,214.1

[1] Years 1982-85 revised; details may not add to totals because of rounding. [2] Preliminary.

Estimated Iowa Farmland Cash Rent Per Acre[1]

Year	Whole farm	Ratio of rent to value[2]	Cropland	Ratio of rent to value[2]	Pasture land	Ratio of rent to value[2]
	Dollars	Percent	Dollars	Percent	Dollars	Percent
1978	82.00	5.3	92.00	5.4	30.10	4.6
1979	89.00	5.0	98.50	5.1	35.00	4.6
1980	96.00	4.7	107.10	4.7	36.20	4.3
1981	101.80	4.7	113.60	4.8	39.40	4.4
1982	106.10	5.0	118.80	5.2	44.10	4.5
1983	105.60	5.7	117.10	6.0	42.20	4.7
1984	109.17	6.6	117.30	6.8	40.95	6.0
1985[3]	98.40	8.5	102.60	8.4	36.00	7.6
1986[3]	83.00	9.0	87.60	9.3	29.20	7.7
1987[3]	75.70	9.3	80.30	9.8	28.10	8.5
1988[4]	82.10	8.4	86.30	8.6	28.80	8.6

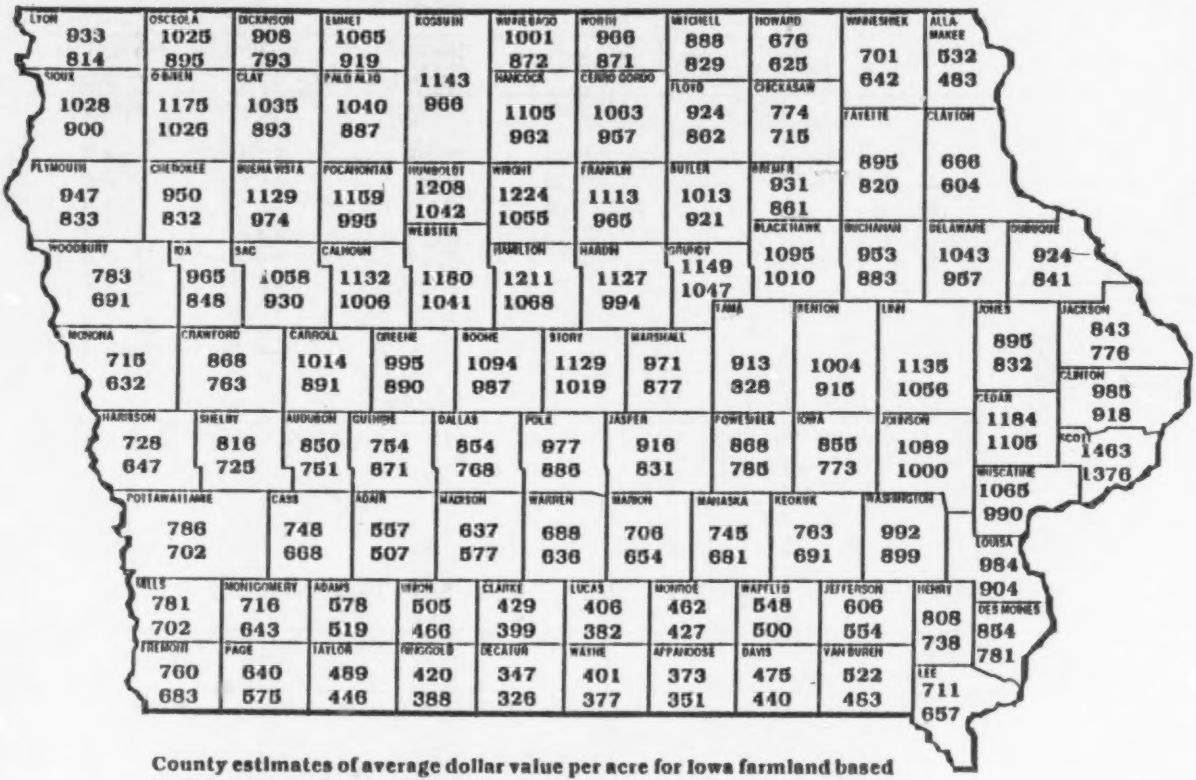
[1] Estimates are based on surveys by Economic Research Service. [2] Ratio calculated using USDA Land Values. [3] Revised. [4] Preliminary.

Iowa Farm Real Estate: Amount Outstanding January 1[1,2]

Year	Federal Land Bank[3]	Farmers Home Administration[4]	Life Ins. companies	All banks	Individuals and others[5]	CCC Storage & Drying loans[6]	Total farm real estate debt
Million dollars							
1977	1,020	156	492	284	2,108	*	4,059
1978	1,254	166	628	330	2,432	*	4,810
1979	1,522	175	747	356	2,748	*	5,549
1980	1,845	286	846	358	3,305	217	6,857
1981	2,378	363	948	339	3,577	235	7,840
1982	2,919	396	988	321	3,766	218	8,609
1983	3,219	409	1,023	343	3,793	195	8,983
1984	3,252	439	986	410	3,831	153	9,071
1985	3,224	481	949	512	3,544	108	8,819
1986	2,675	507	932	713	3,224	54	8,105
1987	2,176	510	789	821	2,845	20	7,160
Percents of total							
1977	25.1	3.8	12.1	7.0	52.0	*	100.0
1978	26.1	3.5	13.1	6.9	50.4	*	100.0
1979	27.4	3.2	13.5	6.4	49.5	*	100.0
1980	26.9	4.2	12.3	5.2	48.2	3.2	100.0
1981	30.3	4.6	12.1	4.3	45.6	3.1	100.0
1982	33.9	4.6	11.5	3.7	43.7	2.6	100.0
1983	35.8	4.6	11.4	3.8	42.2	2.2	100.0
1984	35.9	4.8	10.9	4.5	42.2	1.7	100.0
1985	36.6	5.5	10.8	5.8	40.2	1.1	100.0
1986	33.0	6.3	11.5	8.8	39.8	0.6	100.0
1987	30.4	7.1	11.0	11.5	39.7	0.3	100.0

[1] 1987 preliminary and rounded to millions of dollars; data include regular mortgages, purchase-money mortgages, and sales contracts. [2] 1980-1986 revised. [3] Includes loans of joint stock land banks and Federal Farm Mortgage corporation. [4] Includes both direct and insured loans. [5] Estimates. [6] Not available before 1980.

Iowa Farmland Value, By County, 1986 And 1987


LYON 933 814
OSCEOLA 1025 895
DICKINSON 908 793
EMMET 1065 919
KOSSUTH 1143 966
WINNEBAGO 1001 872
WORTH 966 871
MITCHELL 888 829
HOWARD 676 625
WINNESHIEK 701 642
ALLAMAKEE 532 483
SIOUX 1028 900
O'BRIEN 1175 1026
CLAY 1035 893
PALO ALTO 1040 887
HANCOCK 1105 962
CERRO GORDO 1063 957
FLOYD 924 862
CHICKASAW 774 715
FAYETTE 895 820
CLAYTON 666 604
PLYMOUTH 947 833
CHEROKEE 950 832
BUENA VISTA 1129 974
POCAHONTAS 1159 995
HUMBOLDT 1208 1042
WRIGHT 1224 1055
FRANKLIN 1113 965
BUTLER 1013 921
BREMER 931 861
BLACK HAWK 1095 1010
BUCHANAN 953 883
DELAWARE 1043 957
DUBUQUE 924 841
WOODBURY 783 691
IDA 965 848
SAC 1058 930
CALHOUN 1132 1006
WEBSTER 1180 1041
HAMILTON 1211 1068
HARDIN 1127 994
GRUNDY 1149 1047
MONONA 715 632
CRAWFORD 868 763
CARROLL 1014 891
GREENE 995 890
BOONE 1094 987
STORY 1129 1019
MARSHALL 971 877
TAMA 913 828
BENTON 1004 915
LINN 1135 1056
JONES 895 832
JACKSON 843 776
CLINTON 985 918
CEDAR 1184 1105
SCOTT 1463 1376
HARRISON 728 647
SHELBY 816 725
AUDUBON 850 751
GUTHRIE 754 671
DALLAS 854 768
POLK 977 886
JASPER 916 831
POWESHIEK 868 785
IOWA 855 773
JOHNSON 1089 1000
MUSCATINE 1065 990
POTTAWATTAMIE 786 702
CASS 748 668
ADAIR 557 507
MADISON 637 577
WARREN 688 636
MARION 706 654
MAHASKA 745 681
KEOKUK 763 691
WASHINGTON 992 899
LOUISA 984 904
MILLS 781 702
MONTGOMERY 716 643
ADAMS 578 519
UNION 505 466
CLARKE 429 399
LUCAS 406 382
MONROE 462 427
WAPELLO 548 500
JEFFERSON 606 554
HENRY 808 738
DES MOINES 854 781
FREMONT 760 683
PAGE 640 575
TAYLOR 489 446
RINGGOLD 420 388
DECATUR 347 326
WAYNE 401 377
APPANOOSE 373 351
DAVIS 475 440
VAN BUREN 522 463
LEE 711 657

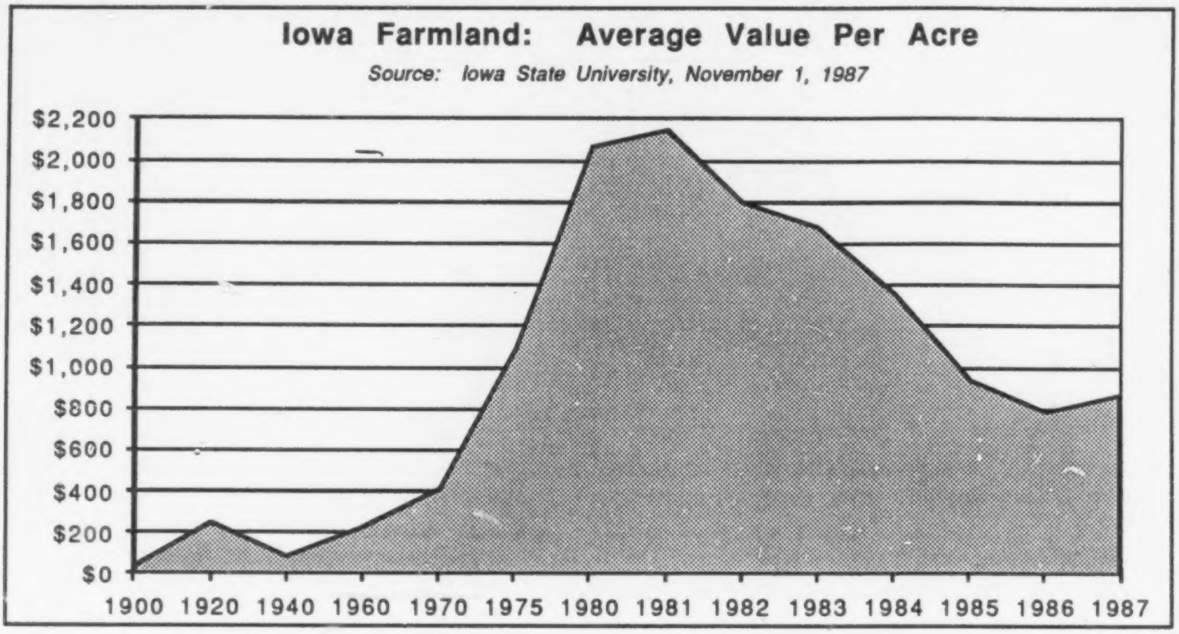
County estimates of average dollar value per acre for Iowa farmland based on U.S. Census of Agriculture estimates and a Nov. 1, 1987, survey of Iowa real estate brokers. The top figure is the estimated Nov. 1, 1987, value; the bottom figure is the estimated Nov. 1, 1986, value.

State Average Value per Acre: $875 - 1987 $787 - 1986

Source: *Cooperative Extension Service, Iowa State University*

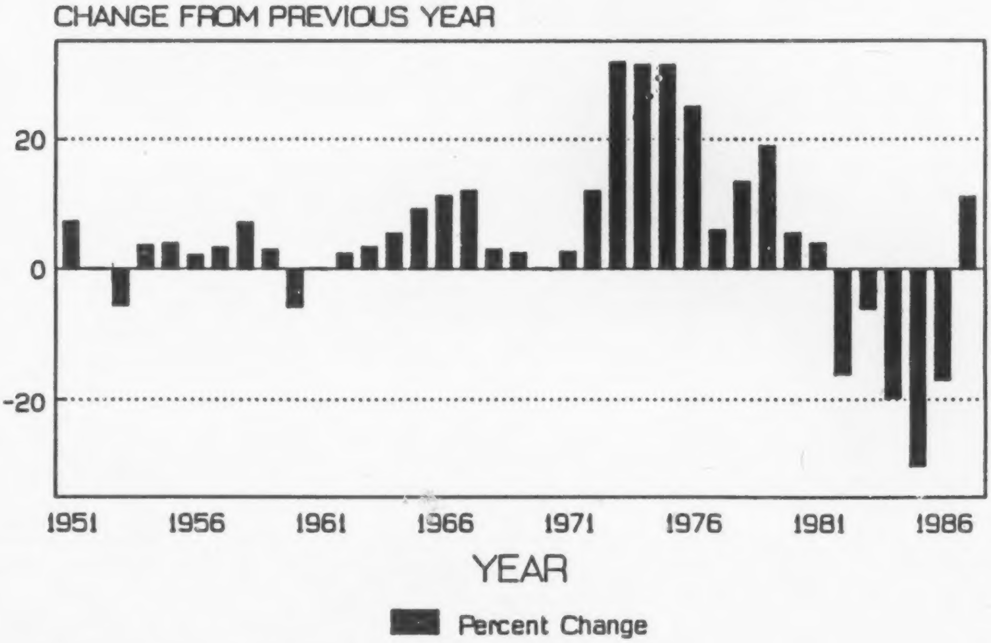
Recent Changes in Iowa Farmland Values

Year	Dollars Per Acre	Dollar Change	Percentage Change	Year	Dollars Per Acre	Dollar Change	Percentage Change
1966	354	36	11.4	1977	1,450	82	6.0
1967	397	42	12.0	1978	1,656	196	13.5
1968	409	12	3.0	1979	1,958	312	19.0
1969	419	10	2.5	1980	2,066	108	5.5
1970	419	0	0.0	1981	2,147	82	3.9
1971	430	11	2.6	1982	1,801	-345	-16.1
1972	482	52	12.0	1983	1,691	-110	-6.1
1973	635	154	31.9	1984	1,357	-334	-19.8
1974	834	199	31.3	1985	948	-409	-30.2
1975	1,095	261	31.3	1986	787	-161	-17.0
1976	1,368	273	24.9	1987	875	88	11.2


Iowa Farmland: Average Value Per Acre

Source: Iowa State University, November 1, 1987

PERCENT CHANGE IN IOWA LAND VALUES, 1951-1987



Source: Iowa State Land Value Survey

Crops: Prices Received By Iowa Farmers

Year and month	Corn	Oats	Soybeans	Wheat	Rye	Sorghum	All hay
Season Average[1]	Bushels						Tons
1955	$1.44	$ .58	$2.24	$2.04	$ .96	$1.00	$16.50
1960	.97	.60	2.13	1.77	.98	.82	14.50
1965	1.13	.65	2.61	1.35	.95	.92	21.80
1970	1.25	.64	2.82	1.25	.90	1.04	20.00
1975	2.50	1.44	5.09	3.46	2.25	2.21	49.00
1976	2.05	1.56	7.05	2.94	2.65	1.85	61.00
1977	1.99	1.11	5.92	2.11	2.10	1.70	47.00
1978	2.17	1.19	6.64	2.70	2.60	1.79	43.00
1979	2.42	1.41	6.17	3.30	3.10	2.01	45.00
1980	2.97	1.71	7.39	3.85	3.20	2.48	48.50
1981	2.41	1.88	5.88	3.70	3.50	2.23	54.00
1982	2.75	1.59	5.82	3.31	2.60	2.55	53.50
1983	3.11	1.80	7.75	3.40	2.50	2.80	72.00
1984	2.50	1.78	5.55	3.26	2.26	2.30	61.50
1985	2.33	1.30	5.05	2.95	2.30	*	46.50
Market Year Average[2]							
1981	2.34	1.88	5.94	3.70	3.50	2.21	54.00
1982	2.69	1.59	5.85	3.30	2.60	2.58	53.50
1983	3.12	1.80	7.78	3.40	2.50	2.80	72.00
1984	2.51	1.78	5.67	3.26	2.26	2.30	61.50
1985	2.02	1.27	4.99	2.95	2.26	*	46.50
1986[3]	1.41	1.17	4.73	2.30	1.75	*	40.50
1987[4]	1.70	1.60	5.55	2.35	1.70	*	42.50
1986[3]**							
January	2.20	1.31	5.04	*	*	*	53.00
February	2.19	1.33	5.05	*	*	*	52.00
March	2.20	1.22	5.14	*	*	*	52.00
April	2.21	1.19	5.13	*	*	*	48.00
May	2.30	1.20	5.16	*	*	*	46.00
June	2.21	1.13	5.10	*	*	*	45.00
July	1.90	.95	5.02	*	*	*	36.00
August	1.48	.92	4.87	*	*	*	34.00
September	1.26	.97	4.75	*	*	*	36.00
October	1.24	1.07	4.42	*	*	*	37.00
November	1.40	1.30	4.51	*	*	*	41.00
December	1.42	1.46	4.59	*	*	*	40.00
1987[4]**							
January	1.36	1.55	4.59	*	*	*	41.00
February	1.30	1.67	4.58	*	*	*	43.00
March	1.46	1.60	4.63	*	*	*	41.00
April	1.44	1.57	4.77	*	*	*	41.00
May	1.55	1.73	5.10	*	*	*	41.00
June	1.60	1.61	5.32	*	*	*	43.00
July	1.51	1.40	5.16	*	*	*	39.00
August	1.35	1.52	4.95	*	*	*	39.00
September	1.36	1.63	4.89	*	*	*	40.00
October	1.46	1.70	4.96	*	*	*	40.00
November	1.54	1.74	5.25	*	*	*	41.00
December	1.61	1.86	5.48	*	*	*	44.00

[1] Season average price includes grain forfeited to CCC. [2] Market year average price does not include any grain forfeited to CCC. [3] Revised. [4] Preliminary.

*Data not available.

**For crops, market year prices are computed by weighting monthly prices by estimated monthly marketings. The months included in the crop season for individual crops are differentiated by short horizontal lines in the section of the table showing monthly prices. For example, the crop marketing season for corn is from September 1 through August 31 of the following year.

Livestock And Livestock Products: Prices Received By Iowa Farmers[1]

Year and month	Hogs	Steers and heifers	Beef cattle	Veal calves	Sheep	Lambs	Milk cows[2]	All milk whole-sale	Turkeys	All eggs[3]	Wool
Market Year Avg.------				Cwt. ------			Head	Cwt.	Lb.	Dozen	Lb.
1920	$13.00	$ *	$10.30	$11.90	$ 7.50	$11.70	$ 95	$ 3.30	$ *	$.411	$.41
1925	10.90	*	8.40	9.20	7.40	13.10	65	2.15	*	.274	.37
1930	8.80	*	9.10	10.10	4.60	8.20	77	2.05	*	.197	.20
1935	8.70	*	7.30	7.10	3.80	7.60	49	1.55	.189	.213	.20
1940	5.30	*	8.90	9.00	3.60	8.40	65	1.65	.159	.144	.30
1945	14.00	*	13.50	13.30	6.50	13.40	115	2.70	.326	.331	.43
1950	17.70	*	25.30	25.90	10.00	25.30	212	3.55	.327	.292	.56
1955	14.40	20.30	18.80	16.80	4.40	18.80	155	3.40	.306	.319	.42
1960	15.30	24.10	22.90	24.00	4.80	18.10	223	3.40	.244	.280	.43
1965	20.60	23.80	22.60	21.50	5.50	22.70	215	3.53	.217	.242	.48
1970	22.60	29.30	28.20	32.90	7.10	27.00	325	5.01	.224	.318	.34
1975	46.20	40.00	36.80	29.30	8.10	43.30	410	8.15	.352	.395	.29
1976	43.00	37.30	35.50	36.10	11.00	46.20	429	9.05	.286	.463	.51
1977	39.60	38.00	37.20	37.80	10.10	52.00	452	9.05	.328	.422	.68
1978	47.00	51.10	50.90	56.50	17.30	60.30	656	10.15	.438	.388	.69
1979	41.60	68.00	65.80	84.60	22.90	65.30	1023	11.60	.410	.440	.74
1980	38.00	67.20	65.30	78.20	27.20	62.80	1170	12.60	.400	.470	.70
1981	43.80	62.40	58.20	63.40	23.90	53.30	1200	13.30	.360	.533	.71
1982	51.90	61.70	57.20	60.40	20.90	52.90	1090	13.20	.380	.426	.44
1983	46.70	61.20	57.00	60.70	15.00	53.50	975	13.20	.370	.448	.38
1984	46.80	63.10	56.80	59.60	15.90	61.90	820	13.10	.460	.574	.54
1985	44.20	57.50	54.50	62.20	23.70	67.10	810	12.20	.460	.394	.42
1986	49.50	57.00	53.70	61.50	28.30	69.80	785	12.00	.450	.440	.45
1987[4]	51.90	64.40	61.80	75.30	29.60	74.80	895	12.10	.350	.360	.55
1986											
Jan.	44.20	58.30	54.00	61.30	32.60	65.30	740	12.00	.360	.475	.42
Feb.	42.80	55.90	51.90	61.10	29.90	69.10	*	11.80	.380	.428	.43
Mar.	40.70	55.20	52.30	61.10	24.10	69.50	*	11.80	.370	.557	.40
Apr.	39.50	53.50	50.70	60.20	24.10	78.90	780	11.60	.380	.374	.43
May	46.10	54.80	51.90	58.80	26.40	86.00	*	11.40	.410	.396	.49
June	52.30	53.30	51.20	58.50	25.90	74.80	*	11.30	.480	.318	.48
July	59.30	56.10	53.80	58.50	27.10	71.20	790	11.30	.490	.420	.44
Aug.	62.50	58.40	55.60	63.70	29.80	67.70	*	11.70	.490	.441	.44
Sep.	59.20	58.60	56.30	65.00	29.90	63.60	*	12.40	.500	.470	.45
Oct.	53.50	58.70	56.20	62.20	29.10	58.00	820	12.90	.520	.402	.46
Nov.	53.20	60.10	56.30	61.30	28.40	67.80	*	13.10	.500	.511	.46
Dec.	51.00	59.40	54.10	63.00	33.40	74.10	*	13.00	.370	.487	.47
1987[4]											
Jan.	47.10	59.30	56.50	68.50	37.40	75.60	820	12.70	.330	.389	.47
Feb.	48.90	61.70	58.50	71.30	35.20	75.10	*	12.30	.340	.394	.49
Mar.	47.60	61.70	59.40	72.30	30.90	78.70	*	12.00	.360	.350	.54
Apr.	51.00	65.80	63.40	75.10	26.80	86.10	920	11.80	.370	.360	.59
May	54.40	67.20	64.50	76.90	27.80	91.60	*	11.50	.360	.290	.58
June	59.70	67.50	64.70	73.90	23.60	83.30	*	11.40	.350	.309	.52
July	60.70	65.70	63.20	75.80	27.90	76.40	930	11.50	.370	.300	.51
Aug.	59.40	64.10	61.90	81.40	29.20	72.90	*	11.70	.350	.310	.51
Sep.	55.80	65.50	63.40	84.20	31.90	72.50	*	12.40	.330	.430	.51
Oct.	50.10	65.80	63.40	80.40	29.00	67.70	910	12.70	.330	.319	.55
Nov.	41.50	64.50	61.50	80.30	29.80	64.70	*	12.60	.350	.372	.57
Dec.	40.80	65.20	62.00	81.50	32.40	71.00	*	12.40	.380	.326	.64

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[1] For livestock and livestock products, prices are calendar year monthly prices weighted by monthly marketings except for milk cow prices, which is a straight average of the monthly prices, and hog, egg, and chicken prices, which are weighted averages of monthly prices for marketing season. Months underlined indicate end of marketing year for that commodity. [2] Milk cows estimated by quarters beginning in 1982. [3] Market eggs beginning in 1982. [4] Preliminary.

*Data not available.

Iowa Grain Prices Received, By County, 1985

County and District	Corn	Oats	Soybeans
		Dollars	
Buena Vista	2.00	1.28	4.96
Cherokee	1.95	1.30	4.91
Clay	1.92	1.30	4.94
Dickinson	1.94	1.20	4.89
Emmet	1.92	1.30	5.00
Lyon	1.93	1.20	4.87
O'Brien	1.94	1.20	4.92
Osceola	1.95	1.28	4.89
Palo Alto	1.95	1.28	4.97
Plymouth	2.00	1.20	4.91
Pocahontas	1.96	1.26	4.97
Sioux	1.95	1.20	4.89
NW District	1.95	1.22	4.93
Butler	1.91	1.20	4.98
Cerro Gordo	1.90	1.33	4.97
Floyd	1.90	1.20	5.02
Franklin	1.90	1.31	5.02
Hancock	1.90	1.28	5.01
Humboldt	1.90	1.29	5.03
Kossuth	1.90	1.33	4.99
Mitchell	1.92	1.21	5.01
Winnebago	1.90	1.27	4.98
Worth	1.91	1.24	5.01
Wright	1.92	1.33	5.03
NC District	1.91	1.26	5.00
Allamakee	2.12	1.23	5.03
Black Hawk	2.05	1.35	5.03
Bremer	1.96	1.22	5.00
Buchanan	2.07	1.29	5.05
Chickasaw	1.95	1.27	4.99
Clayton	2.10	1.22	5.07
Delaware	2.11	1.25	5.01
Dubuque	2.10	1.26	5.05
Fayette	2.05	1.23	5.02
Howard	1.96	1.20	4.97
Winneshiek	2.06	1.20	5.02
NE District	2.05	1.24	5.02
Audubon	2.02	1.30	4.98
Calhoun	2.00	1.30	5.00
Carroll	1.99	1.27	4.92
Crawford	2.04	1.22	4.94
Greene	2.00	1.30	4.95
Guthrie	2.04	1.34	4.97
Harrison	2.05	1.25	4.93
Ida	1.98	1.20	4.91
Monona	2.00	1.21	4.94
Sac	1.99	1.23	4.90
Shelby	2.05	1.20	4.91
Woodbury	2.02	1.24	4.96
WC District	2.02	1.25	4.94
Boone	2.02	1.39	5.04
Dallas	2.04	1.33	5.01
Grundy	1.98	1.39	5.03
Hamilton	1.99	1.39	5.04
Hardin	1.97	1.31	5.03
Jasper	2.03	1.28	4.99
Marshall	2.05	1.31	5.01
Polk	2.02	1.39	4.99
Poweshiek	2.05	1.27	4.99
Story	2.03	1.39	5.00
Tama	2.05	1.27	5.03
Webster	1.98	1.36	5.03
C District	2.02	1.32	5.02
Benton	2.11	1.29	5.07
Cedar	2.15	1.30	5.08
Clinton	2.15	1.28	5.13
Iowa	2.11	1.35	5.07
Jackson	2.16	1.30	5.14
Johnson	2.12	1.35	5.09
Jones	2.12	1.31	5.07
Linn	2.11	1.35	5.08
Muscatine	2.17	1.36	5.09
Scott	2.16	1.29	5.16
EC District	2.14	1.31	5.09
Adair	2.05	1.31	5.01
Adams	2.04	1.24	4.90
Cass	2.09	1.24	4.95
Fremont	2.08	1.32	5.01
Mills	2.06	1.35	5.01
Montgomery	2.05	1.35	4.91
Page	2.08	1.32	4.96
Pottawattamie	2.12	1.21	4.94
Taylor	2.05	1.37	4.91
SW District	2.08	1.29	4.96
Appanoose	2.02	1.28	4.95
Clarke	2.03	1.31	4.98
Decatur	1.96	1.28	4.96
Lucas	1.99	1.28	4.97
Madison	2.03	1.35	5.03
Marion	2.02	1.30	5.01
Monroe	2.01	1.34	4.95
Ringgold	2.04	1.37	4.96
Union	2.05	1.32	4.99
Warren	2.02	1.38	5.02
Wayne	1.98	1.28	4.95
SC District	2.02	1.32	4.98
Davis	2.05	1.36	4.98
Des Moines	2.17	1.45	5.11
Henry	2.09	1.39	5.05
Jefferson	2.07	1.33	5.03
Keokuk	2.07	1.28	5.04
Lee	2.13	1.45	5.07
Louisa	2.12	1.45	5.08
Mahaska	2.05	1.32	5.01
Van Buren	2.08	1.39	5.03
Wapello	2.05	1.34	4.98
Washington	2.12	1.35	5.08
SE District	2.10	1.35	5.05
State	2.02	1.27	4.99

Iowa Grain Prices Received, By County, 1986

County and District	Corn	Oats	Soybeans
		Dollars	
Buena Vista	1.40	1.19	4.75
Cherokee	1.36	1.20	4.70
Clay	1.34	1.22	4.66
Dickinson	1.33	1.20	4.67
Emmet	1.36	1.30	4.70
Lyon	1.34	1.10	4.64
O'Brien	1.33	1.18	4.69
Osceola	1.33	1.15	4.64
Palo Alto	1.38	1.28	4.71
Plymouth	1.40	1.10	4.65
Pocahontas	1.37	1.24	4.75
Sioux	1.38	1.14	4.66
NW District	**1.36**	**1.15**	**4.69**
Butler	1.38	1.18	4.71
Cerro Gordo	1.36	1.26	4.72
Floyd	1.39	1.24	4.74
Franklin	1.38	1.25	4.76
Hancock	1.37	1.30	4.75
Humboldt	1.38	1.33	4.76
Kossuth	1.35	1.29	4.72
Mitchell	1.41	1.19	4.75
Winnebago	1.34	1.24	4.71
Worth	1.40	1.23	4.74
Wright	1.38	1.33	4.78
NC District	**1.37**	**1.25**	**4.74**
Allamakee	1.40	1.17	4.77
Black Hawk	1.43	1.25	4.76
Bremer	1.39	1.16	4.72
Buchanan	1.46	1.21	4.79
Chickasaw	1.41	1.17	4.73
Clayton	1.45	1.14	4.80
Delaware	1.47	1.12	4.79
Dubuque	1.50	1.17	4.85
Fayette	1.43	1.15	4.77
Howard	1.38	1.10	4.70
Winneshiek	1.39	1.09	4.72
NE District	**1.43**	**1.15**	**4.75**
Audubon	1.40	1.23	4.72
Calhoun	1.37	1.24	4.75
Carroll	1.36	1.19	4.68
Crawford	1.37	1.15	4.66
Greene	1.34	1.21	4.73
Guthrie	1.40	1.23	4.74
Harrison	1.41	1.15	4.69
Ida	1.35	1.11	4.69
Monona	1.35	1.17	4.69
Sac	1.34	1.12	4.71
Shelby	1.39	1.13	4.66
Woodbury	1.36	1.10	4.69
WC District	**1.37**	**1.16**	**4.70**
Boone	1.38	1.28	4.78
Dallas	1.39	1.20	4.78
Grundy	1.38	1.27	4.73
Hamilton	1.41	1.29	4.78
Hardin	1.37	1.25	4.73
Jasper	1.40	1.21	4.74
Marshall	1.42	1.27	4.73
Polk	1.38	1.28	4.75
Poweshiek	1.44	1.22	4.78
Story	1.38	1.25	4.76
Tama	1.42	1.25	4.77
Webster	1.39	1.27	4.79
C District	**1.40**	**1.24**	**4.76**
Benton	1.47	1.22	4.74
Cedar	1.49	1.13	4.80
Clinton	1.55	1.21	4.84
Iowa	1.48	1.25	4.78
Jackson	1.54	1.20	4.84
Johnson	1.46	1.22	4.79
Jones	1.50	1.15	4.80
Linn	1.50	1.23	4.79
Muscatine	1.53	1.16	4.85
Scott	1.53	1.13	4.82
EC District	**1.50**	**1.20**	**4.79**
Adair	1.40	1.21	4.74
Adams	1.42	1.16	4.73
Cass	1.41	1.17	4.72
Fremont	1.39	1.22	4.67
Mills	1.38	1.18	4.67
Montgomery	1.39	1.16	4.67
Page	1.40	1.13	4.71
Pottawattamie	1.45	1.20	4.72
Taylor	1.44	1.15	4.71
SW District	**1.41**	**1.18**	**4.70**
Appanoose	1.38	1.15	4.66
Clarke	1.38	1.16	4.66
Decatur	1.37	1.19	4.65
Lucas	1.41	1.26	4.64
Madison	1.39	1.27	4.71
Marion	1.38	1.20	4.71
Monroe	1.40	1.20	4.64
Ringgold	1.43	1.21	4.70
Union	1.43	1.13	4.71
Warren	1.38	1.26	4.71
Wayne	1.37	1.20	4.62
SC District	**1.39**	**1.21**	**4.68**
Davis	1.43	1.17	4.71
Des Moines	1.50	1.19	4.85
Henry	1.45	1.19	4.78
Jefferson	1.44	1.15	4.75
Keokuk	1.43	1.16	4.75
Lee	1.50	1.23	4.83
Louisa	1.50	1.24	4.85
Mahaska	1.41	1.15	4.72
Van Buren	1.45	1.24	4.76
Wapello	1.42	1.21	4.68
Washington	1.44	1.17	4.78
SE District	**1.45**	**1.18**	**4.77**
State	**1.41**	**1.17**	**4.73**

Index of Prices Received By Iowa Farmers (1977=100)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
ALL FARM PRODUCTS													
1977	100	101	102	105	111	106	102	94	92	93	94	99	100
1978	101	104	110	112	119	118	115	111	115	117	118	117	113
1979	124	128	132	130	129	127	124	120	122	118	117	118	124
1980	120	118	115	110	112	115	127	136	138	137	138	137	125
1981	132	130	129	131	131	135	135	130	125	119	116	111	127
1982	116	119	123	127	134	132	129	128	126	119	118	118	124
1983	122	127	127	129	129	127	125	133	132	127	126	132	128
1984	138	133	137	141	137	137	136	129	124	118	120	123	131
1985	123	123	120	118	117	118	115	110	106	112	113	114	116
1986	113	110	110	107	113	116	120	119	116	110	113	109	113
1987[1]	107	109	109	115	120	125	123	119	119	115	110	111	115
ALL CROPS													
1977	108	109	115	120	124	115	96	79	78	81	87	88	100
1978	89	88	99	100	105	105	99	93	92	92	96	97	96
1979	97	101	104	105	107	112	116	111	108	104	100	100	105
1980	104	100	98	97	99	103	114	123	127	127	133	135	113
1981	133	132	134	135	134	128	129	117	105	102	101	101	121
1982	104	102	103	107	108	107	104	95	91	87	91	93	99
1983	96	102	107	116	118	116	120	135	140	134	135	133	121
1984	135	128	135	138	141	140	130	123	115	108	105	103	125
1985	105	104	106	107	106	104	101	95	92	88	89	90	99
1986	92	92	92	92	95	92	84	73	67	64	69	70	82
1987[1]	69	67	69	72	77	80	76	71	71	74	78	82	74
GRAIN AND HAY													
1977	117	117	116	113	111	105	93	79	80	83	93	95	100
1978	96	98	109	109	113	112	105	96	95	94	98	100	102
1979	100	103	105	109	112	119	127	122	118	114	110	111	112
1980	117	112	113	114	115	120	132	142	145	144	148	156	130
1981	154	155	158	160	160	155	153	139	122	117	116	116	142
1982	120	118	119	126	127	126	121	109	105	100	106	108	115
1983	113	124	132	145	150	147	151	162	160	153	156	155	146
1984	155	151	158	165	165	163	160	152	142	129	124	123	149
1985	127	126	129	131	130	128	125	116	112	105	107	108	120
1986	110	110	110	110	115	110	94	74	64	63	71	73	92
1987[1]	70	67	70	74	79	82	77	69	70	75	79	83	75
OIL BEARING CROPS													
1977	100	102	114	127	136	124	100	80	76	79	81	82	100
1978	83	80	89	92	98	98	93	91	90	91	94	94	91
1979	95	100	103	101	102	105	106	102	98	94	91	90	99
1980	91	88	84	81	83	86	98	105	110	111	118	114	97
1981	113	110	112	112	109	103	105	96	89	87	87	87	101
1982	88	86	87	89	91	89	88	81	77	74	77	79	84
1983	79	82	84	89	88	86	92	109	121	116	116	112	98
1984	115	106	113	113	119	118	103	95	89	88	86	84	102
1985	84	83	85	85	83	82	79	74	72	71	71	73	78
1986	74	74	76	76	76	75	74	72	70	65	66	68	72
1987[1]	68	67	68	70	75	78	76	73	72	73	77	81	73

[1] Preliminary.

Index of Prices Received By Iowa Farmers (1977=100)

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
ALL LIVESTOCK AND LIVESTOCK PRODUCTS													
1977	95	96	94	96	103	100	106	103	101	101	99	106	100
1978	108	115	118	119	128	127	125	123	130	133	133	131	124
1979	141	146	149	147	143	136	130	126	132	127	127	130	136
1980	131	130	126	119	121	122	136	145	145	144	141	138	133
1981	131	129	125	128	129	139	139	139	138	130	125	117	131
1982	123	130	137	141	150	149	146	150	148	140	135	135	140
1983	138	142	139	137	136	134	127	131	127	122	120	131	132
1984	140	135	139	142	134	135	139	133	129	125	130	136	135
1985	134	136	128	124	124	127	123	120	116	127	129	130	127
1986	126	122	121	116	125	131	143	149	147	140	141	134	133
1987[1]	131	135	135	143	147	154	153	150	149	142	131	130	142
MEAT ANIMALS													
1977	93	95	93	95	104	102	108	104	101	102	98	106	100
1978	109	116	119	121	131	131	127	124	132	134	133	130	126
1979	142	149	152	145	147	139	132	127	134	128	127	130	138
1980	132	132	127	120	123	124	138	147	146	145	141	136	134
1981	130	129	124	128	129	140	140	140	139	130	123	116	131
1982	123	131	137	143	154	153	149	154	151	141	136	137	142
1983	142	146	142	140	137	135	129	132	126	120	115	127	133
1984	135	133	138	139	134	136	140	134	129	125	128	136	134
1985	135	138	129	126	125	128	124	119	114	125	128	128	127
1986	126	122	120	116	126	133	145	151	148	141	141	135	134
1987[1]	133	138	138	147	153	160	159	156	153	146	133	132	146
POULTRY AND EGGS													
1977	115	114	107	103	90	87	92	95	94	90	104	111	100
1978	97	109	108	101	98	91	107	112	116	116	127	138	110
1979	130	119	131	124	115	113	105	106	104	108	124	132	118
1980	117	108	110	99	89	98	108	123	137	132	147	148	118
1981	129	119	124	128	118	118	125	120	124	115	133	111	122
1982	117	115	124	117	103	105	107	108	118	122	120	103	113
1983	96	100	105	101	117	117	107	119	130	138	156	174	122
1984	191	161	146	178	131	123	125	123	127	120	146	136	142
1985	116	103	116	107	104	119	110	125	135	143	144	145	122
1986	122	118	136	109	116	114	129	132	137	130	143	124	126
1987[1]	105	107	103	105	95	96	97	98	111	96	106	103	102
DAIRY PRODUCTS													
1977	98	97	97	99	98	97	97	99	102	104	105	106	100
1978	106	107	107	108	106	106	106	109	113	120	124	128	112
1979	128	126	125	124	124	122	122	126	129	133	135	135	128
1980	135	135	135	135	134	132	132	134	141	147	150	151	138
1981	151	148	147	146	145	143	141	142	144	148	148	150	146
1982	150	146	146	144	143	141	141	141	145	148	150	150	145
1983	148	147	146	146	143	141	142	140	144	148	150	147	145
1984	145	142	142	142	140	137	137	139	146	151	153	151	144
1985	148	145	142	137	132	128	126	126	131	136	134	134	135
1986	132	130	130	128	125	124	124	129	136	142	144	143	132
1987[1]	140	135	132	130	126	125	126	129	136	140	139	136	133

[1] Preliminary.

Index of Prices Received by U.S. Farmers (1977=100)

Year	All commodities	All crops	All livestock and livestock products	Dairy products	Poultry and eggs	Meat animals
			Percent			
1977	100	100	100	100	100	100
1978	115	105	124	109	106	134
1979	132	116	147	124	111	166
1980	134	125	144	135	112	156
1981	139	134	143	142	116	150
1982	133	121	145	140	110	155
1983	135	128	141	140	118	147
1984	142	138	146	139	135	151
1985	128	120	136	131	119	142
1986[1]	123	107	138	129	128	145
1987[2]	127	106	146	129	108	163

[1] Revised. [2] Preliminary.

Index of Prices Paid by U.S. Farmers, Interest, Taxes, and Wage Rates (1977=100)

Year	Prices paid for items used in Living[1]	Prices paid for items used in Production	Interest payable per acre	Taxes payable per acre	Wage rates for hired farm labor	All prices paid
			Percent			
1977	–	100	100	100	100	100
1978	–	108	117	100	107	108
1979	–	125	143	107	117	123
1980	–	138	174	115	126	138
1981	–	148	211	123	137	150
1982	159	153	249	124	144	159
1983	164	152	258	129	148	161
1984	171	155	257	132	151	165
1985[2]	177	151	237	133	154	163
1986[2]	181	144	219	134	160	159
1987[3]	187	147	207	136	167	162

[1] Bureau of labor statistics has not converted the price index for urban consumers (CPI-U); 1982-87 was converted by the USDA. [2] Revised. [3] Preliminary.

Feeder Pigs: Prices Paid by Iowa Farmers

Year	Jan.	Feb.	Apr.	May	July	Aug.	Oct.	Nov.
				Dollars per cwt.				
1973	59.00		80.50		93.00		80.50	
1974	73.50		67.00		38.30		48.00	
1975	55.00		93.00		97.00		113.00	
1976	97.00		108.00		74.00		54.00	
1977	58.50		93.00		88.50		85.00	
1978	85.00		115.00		105.00		115.00	
1979[1]		98.00		98.50		60.00		60.00
1980		72.00		56.50		65.00		86.00
1981		74.50		85.00		84.00		75.00
1982		77.00		128.00		123.00		110.00
1983		105.00		82.00		53.00		58.00
1984		79.00		97.00		78.00		80.00
1985		96.00		90.00		73.50		74.00
1986		70.50		89.00		115.00		110.00
1987[2]		109.00		117.00		110.00		95.00

[1] Beginning with 1979, survey months were changed to February, May, August, and November. [2] Preliminary.

Corn and Soybean Acreage, Yield and Fertilizer Application

Iowa and Selected States, 1987

Item	Iowa		Selected states[1]	
	Corn	Soybeans	Corn	Soybeans
Planted acreage (000)	10,300	7,950	50,750	49,220
Harvested acreage, grain (000)	10,050	7,900	47,700	48,420
Yield per acre (bu.)	130.0	43.5	118.4	29.3
Percent of harv. for grain acreage fertilized	98	18	96	30
Pounds of fertilizer used per acre:				
Nitrogen (lb.)	132	13	132	20
Phosphorous (lb.)	58	45	61	47
Potassium (lb.)	73	55	85	75

[1] Corn - 10 states; soybeans - 15 states.

Estimated Crop Production Costs, Iowa

CORN following corn	1984	1985	1986	1987	1988
Machinery	$ 87.45	$ 82.55	$ 82.55	$ 77.25	$ 77.60
Seed, chemicals, etc.	117.30	124.80	115.05	105.05	108.85
Labor	21.60	21.60	21.60	21.60	20.40
Land	118.00	115.00	92.00	74.00	78.00
Total cost per acre	$344.35	$343.95	$311.20	$277.90	$284.85
Assumed yield	115 bu.	115 bu.	110 bu.	110 bu.	115 bu.
Total cost per bu.	$2.99	$2.99	$2.83	$2.53	$2.48
CORN following soybeans					
Machinery	$ 81.60	$ 76.80	$ 78.05	$ 72.95	$ 73.50
Seed, chemicals, etc.	102.00	106.90	101.85	93.10	95.95
Labor	19.20	19.20	19.20	19.20	18.00
Land	118.00	115.00	92.00	74.00	78.00
Total cost per acre	$320.80	$317.90	$291.10	$259.25	$265.45
Assumed yield	115 bu.	115 bu.	120 bu.	120 bu.	125 bu.
Total cost per bu.	$2.79	$2.76	$2.43	$2.16	$2.12
SOYBEANS following corn					
Machinery	$ 48.90	$ 48.15	$ 46.30	$ 42.85	$ 46.95
Seed, chemicals, etc.	70.30	71.35	70.00	65.15	69.55
Labor	19.80	16.80	16.80	16.80	15.60
Land	118.00	115.00	92.00	74.00	78.00
Total cost per acre	$257.00	$251.30	$225.10	$198.80	$210.10
Assumed yield	38 bu.	38 bu.	38 bu.	38 bu.	38 bu.
Total cost per bu.	$6.76	$6.61	$5.92	$5.23	$5.53

Source: Cooperative Extension Service, Iowa State University

1988 Iowa Farm Custom Rates[1]

	Average	Range
Tillage		
Chopping cornstalks, per acre	$5.10	$4.00 - 6.70
Plowing–moldboard, per acre	9.90	6.00 - 15.00
–chisel, per acre	8.40	6.00 - 10.00
Disking–offset, per acre	7.30	5.00 - 10.00
–tandem, per acre	6.00	5.00 - 8.00
Harrowing, per acre	3.10	2.00 - 4.50
Field cultivating, per acre	5.50	4.00 - 7.00
Rotary hoeing, per acre	3.50	2.00 - 5.00
Cultivating, per acre	4.70	3.00 - 6.00
Disk/chiseling, per acre	9.30	6.00 - 12.00
Subsoiling, per acre	10.10	7.00 - 15.00
Planting		
Planter–with attachments, per acre	7.60	5.00 - 10.00
–without attachments, per acre	6.80	5.00 - 9.00
–no-till planter, per acre	9.80	7.50 - 13.00
Soybean drill, per acre	7.10	6.00 - 9.00
Graindrill, per acre	6.20	4.00 - 7.50
Fertilizer Application (materials not included)		
Dry bulk–applied, per acre	2.50	1.50 - 4.00
–applicator only, per acre	.95	.50 - 1.50
Liquid–applied, per acre	3.40	2.50 - 5.00
–applicator only, per acre	1.35	1.00 - 3.00
Gaseous–applied, per acre	5.30	3.50 - 7.00
–applicator only, per acre	1.25	.50 - 2.00
Spraying (materials not included)		
Ground, per acre	3.50	2.00 - 5.00
Ground, incorporated, per acre	7.10	5.00 - 9.00
Rope wick applicator, per acre	3.70	2.50 - 5.00
Bean buggy, per acre	4.80	4.00 - 6.00
Aerial, per acre	4.60	4.00 - 5.50
Harvesting Grain		
Corn combining, per acre	22.00	16.00 - 26.00
Soybean combining, per acre	20.60	15.00 - 25.00
Small grain combining, per acre	18.30	14.00 - 22.00
Picking ear corn, per acre	16.20	12.00 - 21.00
Picker sheller, per acre	19.60	17.00 - 22.00

	Average	Range
Corn drying, per bushel	$ .125	$ .06 - $ .18
per % moisture removed	.025	.01 - .04
Corn shelling, per bushel	.08	.06 - .12
Handling grain (by auger), per bu.	.035	.02 - .06
Hauling grain, per bu. per mile	.009	.003 - .020
Hauling grain, on-farm, per bu.	.038	.010 - .060
Storing grain, per bu., per month	.015	.008 - .025
Storing ear corn, $ per bu., per month	.012	.006 - .020
Harvesting Forages		
Hay–mowing, per acre	5.00	3.50 - 7.00
–mowing/conditioning, per acre	7.30	6.00 - 9.00
–raking, per acre	3.00	2.00 - 4.50
–windrowing, per acre	7.20	5.00 - 9.00
Hay baling–square, per bale	.29	.22 - .35
–large round, per bale	5.90	4.50 - 7.50
–stack, 1 ton, per stack	10.40	8.00 - 15.00
–stack, 3 ton, per stack	24.30	20.00 - 30.00
Silage–harvesting, per acre	32.00	30.00 - 35.00
–harvesting, per hr.	55.00	25.00 - 80.00
–harvesting, hauling, per hr.	66.00	25.00 - 100.00
Haylage–harvesting, per hr.	53.00	30.00 - 70.00
–harvesting, hauling, blowing, per hr.	70.00	45.00 - 91.00
Custom Farming–growing and harvesting		
Corn, per acre	71.00	50.00 - 90.00
Soybeans, per acre	65.00	50.00 - 90.00
Small grains, per acre	44.00	30.00 - 70.00
Miscellaneous		
Removing snow, per hr.	37.00	15.00 - 65.00
Grinding feed, per ton	6.20	3.00 - 10.00
Building fence, per hr.	6.50	4.00 - 10.00
Machine Rental (operator and fuel not included)		
Grain drill, per acre	4.10	2.25 - 6.00
Skid loader, per hr.	18.30	10.00 - 25.00
Liquid manure spreader, per hr.	15.00	10.00 - 20.00
Grain auger, per bu.	.02	.01 - .04
Grain cart, per bu.	.03	.02 - .05
Tractor, per horsepower, per hr.	.12	.09 - .17

Average 1988 Farm Custom Rates, By Area[1]

	Average Rate, $ per acre			
Operation	Northwest	Northeast	Southwest	Southeast
Chisel plow	$ 8.10	$ 8.80	$ 8.20	$ 8.90
Moldboard plow	10.00	9.70	9.70	10.10
Tandem disk	5.80	6.10	6.00	6.20
Field cultivate	5.40	5.30	6.00	5.60
Plant, with attachments	7.60	7.90	7.40	7.80
Cultivate	4.70	4.60	4.60	4.80
Spray, ground	3.30	3.40	3.60	3.70
Combine corn	21.40	22.20	21.80	22.60
Combine soybeans	19.60	20.70	20.80	21.50
Combine small grain	17.00	18.30	18.40	19.10
Square baling, per bale	.27	.28	.27	.30
Round baling, per bale	6.00	6.00	5.70	5.90
Machinery labor, per hour	5.20	5.00	5.00	5.00

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[1] Values reflect rates expected to be charged or paid, including fuel and labor. Actual custom rates may vary according to availability of machinery in a given area, timeliness, operator skill, field size and shape, and the performance characteristics of the machine being used.

Source: Cooperative Extension Service, Iowa State University.

FARM LABOR AND WAGE RATES, REGIONAL AND U.S.[1]

Year and Month	Number of Workers		Hired Workers[2]				
	Hired	All Farm Workers	Hours Worked	Wage Rates per Type of Work			
				Field	Livestock	Field & Livestock	Composite Hourly Rate
	----1,000----			----Dollars per Hour----			
Regional[3]							
1983							
July	71	313	32.3	3.92	3.33	3.67	3.98
1984							
July	74	333	26.4	3.69	3.85	3.74	3.92
October	35	257	35.4	3.89	4.11	4.00	4.21
1985							
April	39	273	39.4	4.04	3.94	3.97	4.08
July	68	281	28.4	4.20	4.13	4.18	4.20
October	40	235	34.8	4.58	3.95	4.31	4.35
1986							
April	40	234	34.0	3.90	3.85	3.88	4.15
July	70	271	31.5	4.34	4.15	4.27	4.46
October	40	238	39.8	4.02	4.06	4.04	4.27
1987[4]							
April	37	240	34.4	4.37	4.39	4.38	4.64
July	54	257	31.4	4.00	4.70	4.22	4.53
October	40	264	45.7	4.29	3.87	4.18	4.32
United States							
1983							
July	1,478	3,749	36.5	3.91	3.77	3.88	4.11
1984							
July	1,435	3,750	36.8	3.93	3.93	3.93	4.16
October	1,025	3,059	40.2	4.40	4.12	4.31	4.56
1985							
April	907	2,821	40.1	4.51	3.91	4.26	4.51
July	1,373	3,570	37.6	4.07	3.97	4.05	4.24
October	1,015	2,956	38.6	4.47	4.24	4.40	4.56
1986[5]							
April	910	2,718	38.8	4.58	4.26	4.46	4.71
July	1,233	3,204	37.0	4.39	4.15	4.32	4.57
October	975	2,814	39.9	4.61	4.37	4.52	4.83
1987[4]							
April	885	2,636	40.3	4.70	4.32	4.57	4.90
July	1,270	3,211	37.9	4.60	4.29	4.52	4.78
October	997	2,843	40.5	4.80	4.27	4.64	4.92

[1] The quarterly Farm Labor report was dropped in April 1981 and reinstated in July 1984 except for the January quarter, which is an off-season quarter for Iowa. [2] Includes all workers and methods of pay except those workers paid by piece rate. [3] Corn Belt II Region: IA, MO. [4] Preliminary. [5] Revised.

Corn Belt Cattle Feeding[1]

Item	Selected costs at current rates			
Purchased during Marketed during	Mar. 1987 Sep. 1987	Jun. 1987 Dec. 1987	Sep. 1987 Mar. 1988[2]	Dec. 1987 Jun. 1988[2]
	Dollars per head			
Expenses:				
600 lb. feeder steer	426.78	444.00	489.00	473.00
Transportation to feedlot (400 miles)	5.28	5.28	5.28	5.28
Corn (45 bu.)	(63.90)	(75.60)	(65.03)	(76.95)
Silage (1.7 tons)	(25.53)	(28.30)	(25.61)	(28.84)
Protein supplement (270 lb.)	(32.67)	(31.32)	(33.21)	(34.43)
Hay (400 lb.)	(9.60)	(10.00)	(9.50)	(10.20)
Total feed costs	131.70	145.23	133.34	150.42
Labor (4 hours)	15.72	15.72	15.72	15.72
Management[3]	7.86	7.86	7.86	7.86
Vet medicine[4]	5.13	5.25	5.30	5.44
Interest on purchase (6 months)	23.69	24.20	26.90	26.56
Power, equipment, fuel, shelter, depreciation[4]	23.91	24.46	25.12	25.38
Death loss (1% of purchase)	4.27	4.44	4.89	4.73
Transportation (100 miles)	2.31	2.31	2.31	2.31
Marketing expenses	3.35	3.35	3.35	3.35
Miscellaneous & indirect costs[4]	10.34	10.58	10.86	10.98
Total	660.34	692.67	730.02	731.43
Selling price required to cover:				
Feed cost per 100-lb. gain (450 lb.) $/cwt	29.27	32.27	29.63	33.43
Feed and feeder costs (1,050 lb.) $/cwt.	53.19	56.12	59.27	59.41
All costs (1,050 lb.) $/cwt.	62.89	65.97	69.53	69.66
Choice steers, Omaha (900-1,100 lb.) $/cwt.	64.81	63.93	–	–
Net margin $/cwt.	1.92	–2.04	–	–
Prices:				
Feeder steer, Choice (600-700 lb.) Kansas City $/cwt.	71.13	74.00	81.50	78.90
Corn $/bu.[5]	1.42	1.68	1.45	1.71
Hay $/ton[5]	48.00	50.00	47.50	51.00
Corn silage $/ton[6]	15.02	16.65	15.06	16.97
32-36% protein supplement $/cwt.[7]	12.10	11.60	12.30	12.75
Farm labor $/hour[3]	3.93	3.93	3.93	3.93
Interest rate, annual	11.10	10.90	11.00	11.22
Transportation rate $/cwt. (100 miles)[8]	.22	.22	.22	.22
Marketing expenses $/cwt.[9]	3.35	3.35	3.35	3.35
Index of prices paid by farmers (1910-14=100)	1,091	1,116	1,146	1,158

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[1] Represents only what expenses would be if all selected items were paid for during the period indicated. The feed ration and expense items do not necessarily coincide with experience of individuals for management, production level, and locality of operation. Revisions have been made per annual Agricultural Prices. [2] Preliminary. [3] Assumes 1 hour at twice the labor rate. [4] Adjusted quarterly by the index of prices paid by farmers for commodities, services, interest, taxes, and wage rates. [5] Average price received by farmers in Iowa and Illinois. [6] Corn silage price derived from an equivalent price of 5 bushels corn and 330 lb. hay. [7] Average price paid by farmers in Iowa and Illinois. [8] Converted from cents/mile for a 44,000-pound haul. [9] Yardage plus commission fees at a Midwest terminal market.

Corn Belt Hog Feeding[1]

Item	Selected costs at current rates			
Purchased during Marketed during	Mar. 1987 Jul. 1987	Jun. 1987 Oct. 1987	Sep. 1987 Jan. 1988[2]	Dec. 1987 Apr. 1988[2]
	Dollars per head			
Expenses:				
40-50 lb. feeder pig	54.98	45.89	47.28	31.74
Corn (11 bu.)	(15.62)	(18.48)	(15.95)	(18.92)
Protein supplement (130 lb.)	(17.29)	(17.03)	(18.72)	(18.79)
Total feed	32.91	35.51	34.67	37.71
Labor & management (1.3 hour)[3]	10.61	11.13	12.19	10.61
Vet medicine[4]	2.59	2.64	2.67	2.70
Interest on purchase (4 months)	2.03	1.67	1.73	1.19
Power, equipment, fuel, shelter, depreciation[4]	6.28	6.43	6.50	6.57
Death loss (4% of purchase)	2.20	1.84	1.89	1.27
Transportation (100 miles)	.48	.48	.48	.48
Marketing expenses	1.14	1.14	1.14	1.14
Miscellaneous and indirect costs[4]	.64	.66	.67	.67
Total	113.86	107.39	109.22	94.08
Selling price required to cover:				
Feed cost per 100-lb. gain (180 lb.) $/cwt	18.28	19.73	19.26	20.95
Feed and feeder costs (220 lb.) $/cwt.	39.95	37.00	37.25	31.57
All costs (220 lb.) $/cwt.	51.75	48.81	49.65	42.76
Barrows and gilts 7 markets, $/cwt.	61.85	48.75	–	–
Net margin $/cwt.	10.10	–.06	–	–
Prices:				
40-lb. feeder pig (So. Missouri) $/head	54.98	45.89	47.28	31.74
Corn ($/bu.)[5]	1.42	1.68	1.45	1.72
38-42% protein supplement $/cwt.[6]	13.30	13.10	14.40	14.45
Labor and management $/hour[3]	8.16	8.56	9.38	8.16
Interest rate (annual)	11.10	10.90	11.00	11.22
Transportation rate $/cwt. (100 miles)[7]	.22	.22	.22	.22
Marketing expenses $/cwt.[8]	1.14	1.14	1.14	1.14
Index of prices paid by farmers (1910-14=100)	1,091	1,116	1,128	1,141

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[1] Although a majority of hog feeding operations in the Corn Belt are from farrow to finish, relative fattening expenses will be similar. Costs represent only what expenses would be if all selected items were paid for during the period indicated. The feed rations and expense items do not necessarily coincide with the experience of individual feeders. For individual use, adjust expenses and prices for management, production level, and locality of operation. Revisions have been made per annual Agricultural Prices. [2] Preliminary. [3] Assumes an owner-operator receiving twice the farm labor rate. [4] Adjusted quarterly by the index of prices paid by farmers for commodities, services, interest, taxes, and wage rates. [5] Average price received by farmers in Iowa and Illinois. [6] Average prices paid by farmers in Iowa and Illinois. [7] Converted from cents/mile for a 44,000-pound haul. [8] Yardage plus commission fees at a Midwest terminal market.

Prices Paid By Farmers For Commodities Used In Production

Commodity and unit	Average Price		
	1977	1986	1987
	Dollars		
FARM MACHINERY - U.S.			
Corn planters, with fertilizer attachment, 4-row, each	4,450.00	8,620.00	8,930.00
Corn planters, with fertilizer attachment, 8-row, each	10,000.00	16,800.00	17,300.00
Combine, self-propelled, medium capacity, each	35,500.00	62,900.00	65,300.00
Combine, self-propelled, large capacity, each	45,500.00	82,900.00	86,400.00
Cultivators, row crops, 4-row, each[1]	1,750.00	2,520.00	2,510.00
Cultivators, row crops, 6-row, each[1]	2,310.00	3,260.00	3,410.00
Disk harrows, tandem, 15-17' width, each	4,660.00	7,755.00	7,575.00
Disk harrows, tandem, 18-20' width, each	5,840.00	10,035.00	9,825.00
Moldboard plows, tractor drawn or mounted, one way,			
5 bottoms, each	3,800.00	6,720.00	6,685.00
7 bottoms, each	5,650.00	9,700.00	9,795.00
Chisel plow, tractor drawn or mounted, 16-20 ft.	–	6,080.00	6,540.00
Manure spreaders, P.T.O. 141-190 bu. cap., each	2,650.00	5,310.00	5,090.00
Mowers, drawn or mounted 7' each	1,250.00	2,540.00	2,670.00
Pick-up balers, P.T.O., each[2]	4,600.00	9,490.00	9,960.00
Tractors, wheel, 50-59 h.p., each	9,100.00	16,550.00	16,650.00
Tractors, wheel, 110-129 h.p., each	23,500.00	38,600.00	38,950.00
Tractors, wheel, 170-240 h.p., each	45,500.00	75,850.00	75,650.00
Wagons, farm, w/o box, less tires, 8-10 ton, each	610.00	1,050.00	1,130.00
FARM SUPPLIES AND EQUIPMENT - U.S.			
Nails, 8d common, per lb.	.49	.64	.65
Shovels, aluminum scoop, each	14.70	25.00	24.00
Nail hammers, with handle, each	8.05	12.60	12.30
Pitchforks, 4-tine, each	11.20	20.10	20.50
Rope, polypropylene, per 100 ft.	–	19.57	20.45
Baler twine, per 40 lb. bale	14.50	18.80	18.05
BUILDING MATERIALS - U.S.			
Concrete blocks, 8x8x16, per 100	55.00	94.70	96.70
Cement, Portland, per 94 lbs. (net)	3.65	6.25	6.30
Framing lumber, 2"x4", pine, standard & better, 1000 bd. ft.	305.00	349.75	372.33
Insulating sheathing, 1/2", 4'x8' sheet[3]	–	5.39	5.42
Plywood, exterior, 1/2" cox, 4'x8' sheet[3]	–	9.65	9.58
Rough boards, for farm fences and construction, 1000 bd. ft.	370.00	489.00	501.00
Dressed boards, 1" thick, standard & better, 1000 bd. ft.	435.00	653.00	681.67
Roofing, galvanized steel, 28-29 gauge, per 100 sq. ft.	32.10	41.23	41.40
Roofing, shingles, fiberglass, mineral surface, 220 lb. per sq.[4]	21.70	25.33	23.60
Paint, house exterior, per gallon	9.90	16.08	15.67
Iron pipe, 1-1/4", galvanized, per ft.	1.30	1.90	2.01
FENCING MATERIALS - U.S.			
Posts, steel, line fence, each	2.30	2.59	2.48
Posts, wood, line fence, each	2.05	3.44	3.51
Wire, barbed, 2 pt., galv., 12-1/2 gauge, per 80 rod spool	27.00	35.20	33.70
Field & stock fence (woven wire), 6" stay spacing, 32" high, per 20 rod spool	56.00	74.27	71.75
FEEDER PIGS - IOWA	81.25	96.13	107.75

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*See footnotes on page 77.

Prices Paid By Farmers For Commodities Used in Production

Commodity and unit	Average Price		
	1977	1986	1987
	Dollars		
FERTILIZERS AND SPRAYING MATERIALS			
Ammonium nitrate, per ton	143.00	168.00	156.00
Mixed fertilizer, 18-46-0, per ton	184.00	215.00	226.00
Anhydrous ammonia, per ton[5]	181.00	200.00	184.00
Superphosphate, 44-46% P O, per ton	148.00	186.00	200.00
Agricultural limestone, per ton[6]	10.00	16.00	16.70
COMMERCIAL FEEDS - U.S.			
Bran, per cwt.	7.51	9.24	8.79
Middlings and gray shorts, per cwt	7.37	8.33	7.61
Soybean meal, 44%, per cwt.	12.90	11.30	11.93
Mixed hog feed, 14-18% protein, per cwt[7]	8.53	9.32	8.68
Beef cattle concentrate, 32-36% protein & over, per cwt.	9.20	10.80	10.86
Laying feed, per ton[7]	152.00	175.00	169.00
Dairy feed, 16% protein, per ton[7]	140.00	162.00	154.00
Chick starter, per ton[7]	175.00	187.00	191.00
Turkey grower, per ton[7]	184.00	214.00	213.00
Stock salt, 100 lbs	3.51	6.51	6.57
SEEDS - U.S.			
Alfalfa, uncertified varieties, per cwt	155.50	170.00	173.00
Potatoes, per cwt	5.63	6.62	7.95
Hybrid corn, per 80,000 kernels[8]	40.00	65.60	64.90
Oats, spring, per bu.	3.70	3.63	3.99
Soybeans, per bu.	13.00	10.80	11.30
FUELS - U.S.			
Diesel fuel, per gallon	.449	.757	.712
Gaoline, unleaded, regular, service station, per gallon	.610	.974	.940
Gasoline, leaded, regular, bulk delivery, per gallon	.569	.936	.919
LP gas, per gallon	.389	.689	.592
MOTOR SUPPLIES AND SERVICES - U.S.			
Motor oil, heavy duty (detergent), per gallon	2.56	4.69	4.58
Grease, per 14-1/2 oz. cartridge	.60	1.15	1.16
Chassis lubrication	2.74	4.65	5.15
Motor tune-up, labor only	15.40	26.93	29.00
Brake relining, materials and labor	58.35	100.57	104.50
Tires, auto E78-14, tubeless, each[9]	42.95	42.53	41.35
Tires, auto P195-75 R14 (ER78-14), radial, each[10]	65.95	56.20	54.05
Tires, truck, 10.00-20, 10-ply, each[11]	87.00	206.00	199.00
Tractor tires, rear, 18.4x38, 6-ply, each[12]	280.00	406.00	395.00
Batteries, CPR 220-310 AMP, each	37.60	47.17	48.20
Batteries, CPR 315-500 AMP, each	46.50	58.27	58.45
Spark plugs, each	1.39	1.73	1.78
Oil filters, cartridge refill, each	3.11	3.90	4.01
Oil filters, spin-on, each	4.01	4.63	4.59
Antifreeze, permanent, per gallon	4.16	4.10	4.04

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[1] Drawn with transport wheels and hydraulic lift. [2] Conventional size bales, under 200 lbs. [3] Prior to 1979, priced per 1000 sq. ft. [4] Prior to 1984, Asphalt, 240 lb. [5] Excludes application. [6] Spread on fields. [7] Complete feeds. [8] Prior to 1985, price per bu. [9] Prior to 1983 G78-15. [10] Prior to 1983, 205-15 (GR78-15). [11] Prior to 1979, 7.50x20. 1979 and 1984, 9.00-20. [12] Prior to 1985, 18.4x34.

Farm-Retail Price Spreads, Selected Items, U.S., 1985-1988

Commodities	Price Spreads									
	Annual			1987						1988
	1985	1986	1987	Jan	Aug	Sept	Oct	Nov	Dec	Jan
Market basket[1]										
Retail cost (1967=100)	282.6	288.7	303.1	298.3	305.0	305.8	305.7	305.1	306.5	309.2
Farm value (1967=100)	237.2	234.1	240.4	234.8	243.4	243.2	235.6	237.2	231.8	233.2
Farm-retail spread (1967=100)	309.3	320.8	340.0	335.6	341.3	342.6	346.9	345.1	350.4	353.9
Farm value/retail cost (%)	31.1	30.0	29.4	29.2	29.5	29.4	28.5	28.8	28.0	27.9
Meat products										
Retail cost (1967=100)	265.5	273.9	294.2	288.3	301.0	300.7	300.2	298.4	296.4	295.5
Farm value (1967=100)	221.8	229.1	245.9	223.8	257.6	255.4	248.2	231.3	227.0	227.5
Farm-retail spread (1967=100)	316.6	326.2	350.7	363.9	351.8	353.7	361.1	377.0	377.7	375.2
Farm value/retail cost (%)	45.1	45.1	45.1	41.9	46.2	45.8	44.6	41.8	41.3	41.5
Beef, Choice										
Retail price[2] (cts/lb)	232.6	230.7	242.5	236.6	245.4	245.5	245.7	246.6	245.3	242.9
Net carcass value[3] (cts)	135.2	133.1	145.3	134.0	142.6	144.9	144.6	142.4	141.1	144.7
Net farm value[4] (cts)	126.8	124.4	137.9	125.7	136.3	137.6	137.1	136.1	134.6	136.6
Farm-retail spread (cts)	105.8	106.3	104.6	110.9	109.1	107.9	108.6	110.5	110.7	106.3
Carcass-retail spread[5] (cts)	97.4	97.6	97.2	102.6	102.8	100.6	101.1	104.2	104.2	98.2
Farm-carcass spread[6] (cts)	8.4	8.7	7.4	8.3	6.3	7.3	7.5	6.3	6.5	8.1
Farm value/retail price (%)	55.0	54.0	57.0	53.0	56.0	56.0	56.0	55.0	55.0	56.0
Pork										
Retail price[2] (cts/lb)	162.0	178.4	188.4	188.1	196.2	196.9	194.4	189.2	185.6	185.3
Wholesale value[3] (cts)	101.1	110.9	113.0	105.4	127.0	119.8	112.7	103.1	106.5	104.0
Net farm value[4] (cts)	71.4	82.4	82.7	75.7	96.8	87.8	77.8	65.0	66.2	71.3
Farm-retail spread (cts)	90.6	96.0	105.7	112.4	99.4	109.1	116.6	124.2	119.4	114.0
Wholesale-retail spread[5] (cts)	60.9	67.5	75.4	82.7	69.2	77.1	81.7	86.1	79.1	81.3
Farm-wholesale spread[6] (cts)	29.7	28.5	30.3	29.7	30.2	32.0	34.9	38.1	40.3	32.7
Farm value/retail price (%)	44.0	46.0	44.0	40.0	49.0	45.0	40.0	34.0	36.0	38.0
Dairy products										
Retail cost (1967=100)	258.0	258.4	264.6	263.2	264.2	266.0	267.2	267.2	266.8	268.7
Farm value (1967=100)	248.2	241.5	244.2	252.0	244.1	244.9	247.3	244.9	241.8	242.6
Farm-retail spread (1967=100)	266.5	273.3	282.5	273.0	281.9	284.5	284.7	286.8	288.7	291.6
Farm value/retail cost (%)	45.0	43.7	43.2	44.8	43.2	43.1	43.3	42.9	42.4	42.2
Poultry										
Retail cost (1967=100)	216.4	232.7	229.3	238.3	230.0	229.1	227.8	219.8	219.7	221.9
Farm value (1967=100)	234.9	255.4	206.5	221.7	219.8	201.7	182.0	194.1	190.6	196.3
Farm-retail spread (1967=100)	198.4	210.9	251.4	254.4	239.9	255.7	272.1	244.6	247.9	246.7
Farm value/retail cost (%)	53.4	54.0	44.3	45.8	47.0	43.3	39.3	43.4	42.7	43.5
Eggs										
Retail cost (1967-=100)	174.3	186.3	175.5	193.5	164.4	187.0	175.1	179.9	163.8	172.6
Farm value (1967=100)	178.9	192.7	160.2	184.4	146.5	183.7	148.2	168.0	139.2	142.3
Farm-retail spread (1967=100)	167.6	177.1	197.7	206.5	190.3	191.8	213.9	197.0	199.4	216.3
Farm value/retail cost (%)	60.7	61.1	53.9	56.3	52.6	58.1	50.0	55.2	50.2	48.7
Processed fruits & vegetables										
Retail cost (1967=100)	314.1	309.1	319.6	314.4	323.0	323.2	322.0	321.8	323.1	327.9
Farm value (1967=100)	378.5	326.3	354.4	357.0	340.0	343.2	335.3	338.1	375.4	381.8
Farm-retail spread (1967=100)	299.9	305.3	311.9	305.0	319.2	318.8	319.0	318.2	311.5	316.0
Farm value/retail costs (%)	21.8	19.1	20.1	20.6	19.1	19.2	18.9	19.0	21.1	21.1

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[1] Retail costs are based on indexes of retail prices for domestically produced farm foods from the CPI-U published monthly by the Bureau of Labor Statistics. The farm value is the payment to farmers for quantity of farm product equivalent to retail unit, less allowance for by-product. Farm values are based on prices at first point of sale and may include marketing charges such as grading and packing for some commodities. The farm-retail spread, the difference between the retail price and the farm value, represents charges for assembling, processing, transporting, and distributing these foods. [2] Estimated weighted average price of retail cuts from pork and choice yield grade 3 beef carcasses. Retail cut prices from BLS. [3] Value of carcass quantity (beef) and wholesale cuts (pork equivalent to 1 lb. of retail cuts; beef adjusted for value of fat and bone by-products. [4] Market value to producer for quantity of live animal equivalent to 1 lb. of retail cuts minus value of by-products. [5] Represents charges for retailing and other marketing services such as fabricating, wholesaling, and in-city transportation. [6] Represents charges made for livestock marketing, processing, and transportation to city where consumed.

Note: Annual historical data on farm-retail price spreads may be found in Food Consumption, Prices and Expenditures, Statistical Bulletin 749, ERS, USDA.

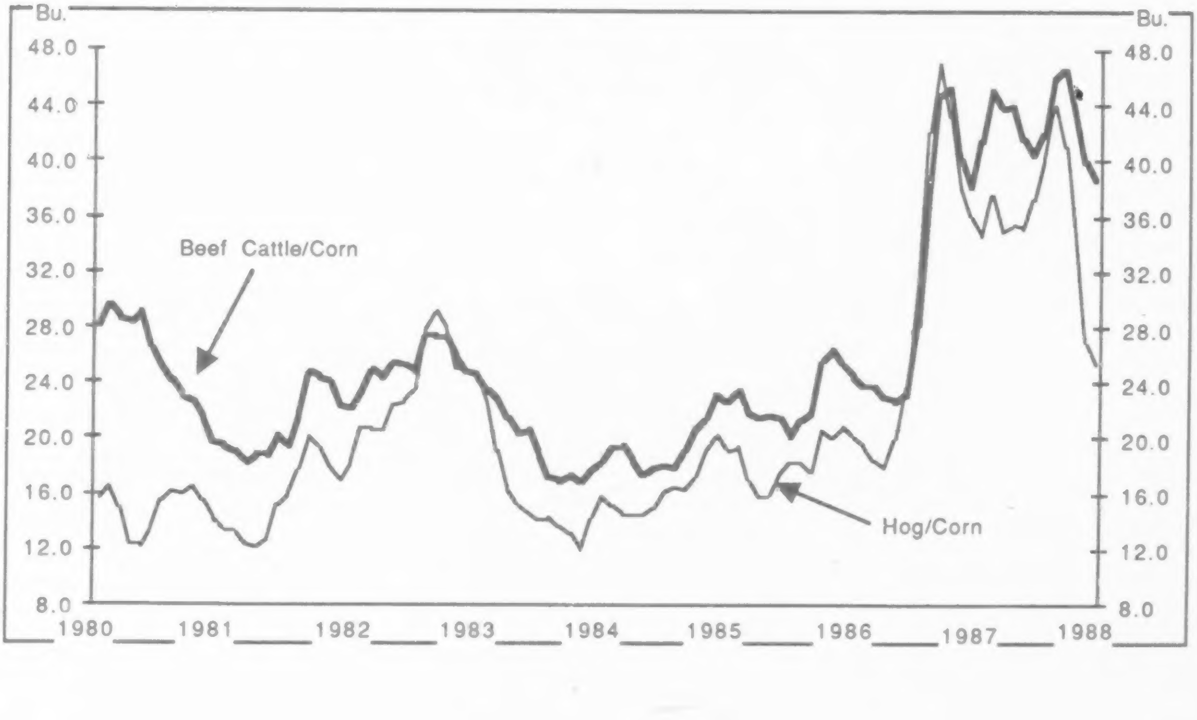
Source: Agricultural Outlook, April 1988.

Iowa Feed Ratios

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
						Beef Cattle - Corn[1]							
1980	28.0	29.5	28.6	28.3	29.1	26.5	25.1	24.1	23.0	22.6	21.3	19.6	25.5
1981	19.4	19.0	18.2	18.8	18.7	20.1	19.4	21.6	24.7	24.3	24.0	22.3	20.9
1982	22.1	23.3	24.9	24.3	25.4	25.2	24.8	27.4	27.3	27.2	25.8	24.8	25.2
1983	24.5	23.5	22.8	21.4	20.4	20.6	18.9	17.2	16.9	17.3	16.8	17.7	19.8
1984	18.3	19.4	19.5	18.4	17.3	17.8	18.0	17.8	19.1	20.7	21.5	23.2	19.3
1985	22.7	23.5	21.8	21.4	21.6	21.4	20.1	21.3	21.8	25.6	26.4	25.3	22.7
1986	24.5	23.7	23.8	22.9	22.6	23.2	28.3	37.6	44.7	45.3	40.2	38.1	31.2
1987[2]	41.5	45.0	43.7	44.0	41.6	40.4	41.9	45.9	46.6	43.4	39.9	38.5	42.7
						Hog - Corn[3]							
1980	15.6	16.5	15.0	12.3	12.2	13.4	15.4	16.1	15.9	16.5	15.4	14.1	14.9
1981	13.3	13.2	12.3	12.1	12.7	15.2	16.0	17.7	20.0	19.3	17.9	17.0	15.6
1982	18.2	20.7	20.6	20.5	22.4	22.7	23.5	27.8	29.1	27.9	25.0	24.8	23.6
1983	24.6	22.6	19.0	16.2	15.2	14.7	14.2	14.3	13.6	13.1	12.0	14.3	16.2
1984	15.8	15.1	14.5	14.5	14.4	14.9	16.1	16.5	16.3	17.2	19.1	20.2	16.2
1985	19.1	19.4	17.0	15.8	15.9	17.4	18.3	18.3	17.6	20.6	20.1	20.9	18.4
1986	20.1	19.5	18.5	17.9	20.0	23.7	31.2	42.2	47.0	43.1	38.0	35.9	29.8
1987[2]	34.6	37.6	35.0	35.4	35.1	37.3	40.2	44.0	41.0	34.3	26.9	25.3	35.6

[1] Bushels of corn equal in value to 100 pounds of beef cattle, live weight. [2] Preliminary. [3] Bushels of corn equal in value to 100 pounds of hog, live weight.

Bushels of Corn Equal in Value to 100 Pounds of Beef Cattle and Hogs



Crop Exports: United States, By Leading Import Nations[1]

U.S. exports by nation, product weight in 1 million metric tons									
Country	Amount	Country	Amount	Country	Amount	Country	Amount	Country	Amount
1982		1983		1984		1985[2]		1986[3]	
CORN									
Japan	11.44	Japan	13.05	Japan	13.64	U.S.S.R.	13.16	Japan	9.17
U.S.S.R.	6.97	Mexico	4.70	U.S.S.R.	10.62	Japan	10.98	Taiwan	2.70
Spain	3.75	S. Korea	4.07	Taiwan	2.88	Taiwan	2.97	U.S.S.R.	2.67
S. Korea	2.88	Taiwan	3.27	Mexico	2.69	Spain	2.46	S. Korea	1.52
Belgium	2.32	U.S.S.R.	3.03	S. Africa	2.53	S. Korea	1.77	Mexico	1.39
All others	21.43	All others	19.41	All others	16.58	All others	12.70	All others	9.50
TOTAL	48.79	TOTAL	47.53	TOTAL	48.94	TOTAL	44.05	TOTAL	26.95
WHEAT									
China	6.83	U.S.S.R.	4.84	U.S.S.R.	7.65	Japan	3.12	Japan	3.22
U.S.S.R.	4.29	India	3.50	China	4.07	S. Korea	1.89	Egypt	2.07
Japan	3.35	Japan	3.35	Japan	3.38	Egypt	1.65	S. Korea	1.94
Brazil	2.55	Brazil	2.63	Brazil	2.59	Nigeria	1.47	Algeria	1.67
S. Korea	1.87	China	2.46	Morocco	2.51	U.S.S.R.	1.07	Morocco	1.30
All others	21.89	All others	21.69	All others	22.04	All others	15.60	All others	14.35
TOTAL	40.78	TOTAL	38.47	TOTAL	42.24	TOTAL	24.80	TOTAL	24.55
SOYBEANS									
Netherlands	5.11	Japan	4.59	Japan	4.24	Japan	4.38	Japan	4.22
Japan	4.07	Netherlands	3.79	Netherlands	3.36	Netherlands	2.86	Netherlands	3.43
Spain	2.97	Spain	1.94	Spain	1.64	Taiwan	1.36	Spain	1.78
Germany	2.04	Germany	1.61	Mexico	1.58	Spain	1.19	Taiwan	1.74
Belgium	1.40	Taiwan	1.38	Taiwan	1.31	Mexico	0.96	U.S.S.R.	1.52
All others	9.88	All others	9.39	All others	7.35	All others	6.14	All others	8.68
TOTAL	25.47	TOTAL	22.70	TOTAL	19.48	TOTAL	16.89	TOTAL	21.37
GRAIN SORGHUM									
Japan	1.87	Mexico	3.29	Japan	2.23	Japan	2.43	Japan	2.14
Mexico	1.41	Japan	0.64	Mexico	2.16	Mexico	1.73	Venezuela	0.64
Spain	0.52	Israel	0.44	Israel	0.59	Venezuela	0.94	Mexico	0.49
Venezuela	0.50	Venezuela	0.29	Spain	0.39	Israel	0.48	Israel	0.39
S. Korea	0.40	Portugal	0.14	Venezuela	0.34	Sudan	0.44	Taiwan	0.36
All others	1.32	All others	0.48	All others	1.08	All others	0.64	All others	0.10
TOTAL	6.02	TOTAL	5.28	TOTAL	6.79	TOTAL	6.66	TOTAL	4.12
TOTAL OTHER CROPS EXPORTED:									
RICE									
TOTAL	2.57	TOTAL	2.42	TOTAL	2.19	TOTAL	1.96	TOTAL	2.53
BARLEY									
TOTAL	1.22	TOTAL	1.52	TOTAL	1.97	TOTAL	0.70	TOTAL	1.60
OATS									
TOTAL	0.02	TOTAL	0.01	TOTAL	0.01	TOTAL	0.01	TOTAL	0.02

[1] Does not include grain sold for seed or processed products (flour, oils, canned goods). Yearly exports are calendar year quantities. [2] Revised. [3] Preliminary.

U.S. Meat Imports, By Countries[1]

Product and year	Imports, by country of origin, product weight						Total imports
	Canada	Argentina	Denmark	Australia	New Zealand	All Other	Product weight
				Million pounds			
Beef and veal							
1981	119.4	67.9	8.8	567.7	341.2	224.0	1,319.0
1982	125.1	65.8	3.0	717.1	345.8	203.4	1,460.2
1983	130.4	84.8	2.0	614.6	360.1	224.0	1,415.0
1984	167.7	76.8	7.9	536.4	320.9	201.3	1,311.0
1985	194.7	95.7	7.4	585.9	382.6	226.4	1,492.7
1986[2]	173.2	82.4	6.2	688.9	373.2	208.6	1,532.5
Lamb and mutton							
1981	--[3]	–	–	3.5	27.8	0.4	31.7
1982	0.1	–	–	3.4	15.6	0.2	19.3
1983	--[3]	–	–	4.3	14.8	0.4	19.5
1984	--[3]	–	–	3.8	15.6	--[3]	19.4
1985	0.3	–	–	8.1	26.5	--[3]	34.9
1986[2]	--[3]	–	–	19.5	15.4	--[3]	35.4
Pork							
1981	198.9	–	97.7	0.4	--	134.6	431.6
1982	277.2	–	107.5	0.3	--	113.3	498.3
1983	273.0	–	130.2	–	--	151.9	555.1
1984	352.9	–	254.8	0.4	--	176.1	784.2
1985	418.5	–	325.9	0.4	--	189.6	934.4
1986[2]	478.9	–	268.2	0.7	--	180.6	928.4
Total[4]							
1981	319.9	68.0	121.5	571.6	369.1	364.2	1,814.3
1982	409.1	66.8	127.7	721.5	363.1	327.3	2,015.5
1983	412.5	86.4	147.7	620.8	375.7	387.4	2,030.5
1984	531.9	78.0	277.1	542.6	337.5	393.1	2,160.2
1985	623.3	96.2	349.1	597.7	410.8	433.9	2,511.0
1986[2]	662.7	83.3	288.6	713.0	390.4	445.7	2,543.7

[1] FATUS Calendar Year 1986 Supplement. [2] Preliminary. [3] Less than 50,000 pounds. [4] Includes quantities of other canned, prepared, or preserved meat n.e.s.

U.S. Meat Exports, By Countries[1]

Product and year	Exports, by destination, product weight				
	Canada	Bahamas	Japan	All Other	Total
			Million pounds		
Beef and veal					
1981	18.2	6.3	96.3	43.8	164.6
1982	14.7	4.9	117.2	52.0	188.8
1983	14.0	6.1	133.5	51.4	205.0
1984	25.7	6.8	174.1	39.2	245.8
1985	19.7	4.6	184.5	32.6	241.4
1986[2]	16.1	4.2	184.5	188.9	393.7
Pork					
1981	30.2	5.4	88.3	98.5	222.4
1982	19.3	3.3	68.2	62.3	153.1
1983	21.1	3.5	79.0	52.5	156.1
1984	13.2	3.0	42.1	57.5	115.8
1985	7.3	3.0	20.6	58.8	89.7
1986[2]	6.7	2.6	26.8	23.3	59.4

[1] FATUS Calendar Year 1986 Supplement. [2] Preliminary.

Per Capita Consumption of Major Food Commodities: Total Population[1]

Commodity	1982	1983	1984	1985	1986[2]	1985 as % of 1986
			Pounds			
Meats:	138.4	143.2	142.9	144.0	140.3	97
Beef	76.8	78.2	78.1	78.8	78.4	99
Veal	1.6	1.6	1.8	1.8	1.9	106
Lamb and mutton	1.5	1.5	1.5	1.4	1.4	100
Pork	58.5	61.9	61.5	62.0	58.6	95
Fish (edible weight)	12.3	13.1	13.7	14.4	14.7	102
Canned	4.3	4.8	4.9	5.1	5.4	106
Fresh and frozen	7.7	8.0	8.5	9.0	9.0	100
Cured	0.3	0.3	0.3	0.3	0.3	100
Poultry Products:						
Eggs	33.5	33.0	32.9	32.2	31.7	98
Chicken (ready-to-cook)	52.7	53.4	55.2	57.6	58.8	102
Turkey (ready-to-cook)	10.8	11.2	11.3	12.1	13.3	110
Dairy Products:						
Cheese (excluding cottage)	19.9	20.5	21.4	22.5	23.0	102
Fluid whole milk[3]	134.1	130.8	126.5	122.8	115.8	94
Fluid lowfat milk[4]	93.1	95.9	99.1	104.6	110.4	106
Fluid cream[5]	3.5	3.6	4.0	4.3	4.8	112
Ice cream (product weight)	17.6	18.0	18.1	18.1	18.3	101
Fats and oils (fat content only)[6]	58.0	59.9	58.7	64.2	64.1	100
Butter (product weight)	4.3	4.9	4.9	4.9	4.6	94
Margarine (product weight)	11.0	10.4	10.4	10.8	11.4	106
Lard	2.5	2.1	2.1	1.8	1.7	94
Shortening	18.6	18.5	21.2	22.8	22.0	96
Salad and cooking oils	21.8	23.5	19.8	23.5	24.1	103
Fruits:						
Fresh	83.7	88.3	87.8	86.3	92.0	107
Citrus	23.9	28.3	23.2	22.6	25.1	111
Noncitrus	59.8	60.0	64.6	63.7	66.9	105
Processed						
Canned fruit[7]	9.7	9.2	8.9	8.4	8.4	100
Frozen fruit	2.9	2.9	3.0	3.3	3.5	106
Frozen citrus juices[8]	36.9	41.6	35.6	44.0	43.2	98
Chilled citrus juices[8]	3.5	4.1	3.6	3.2	3.7	116
Canned citrus juices[8]	3.9	3.0	2.8	2.3	2.1	91
Dried fruit[9]	2.7	2.8	2.9	2.9	3.0	103
Vegetables:						
Fresh[10]	74.0	74.3	78.5	78.5	79.4	101
Fresh potatoes	47.1	47.6	43.1	45.7	49.9	109
Frozen potato products	20.0	19.5	20.8	22.6	22.6	100
Dry edible beans[11]	6.6	6.6	5.8	6.5	6.0	92
Grains:						
Wheat flour[12]	116.7	117.4	118.1	123.3	129.6	105
Rice	11.8	9.7	8.6	9.1	11.6	127
Pasta	9.9	10.5	11.3	12.9	14.3	111
Other:						
Coffee	7.6	7.6	7.5	7.5	7.4	99
Cocoa	3.0	3.1	3.5	3.4	3.4	100
Peanuts (shelled)	5.9	5.9	6.0	6.3	6.4	102
Sugar (refined)	73.6	71.1	67.4	63.0	60.2	96
Corn sweeteners[13]	48.1	52.1	57.8	66.6	67.3	101
Soft drinks (gallons)	26.9	26.9	27.2	29.1	30.3	104
Total population (millions)[14]	232.5	234.8	237.0	239.3	241.6	101

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[1] Quantity in pounds, retail weight unless otherwise stated. Data on calendar year basis except for dried fruits, fresh citrus fruits, peanuts, and rice which are on a crop-year basis. [2] Preliminary. [3] Plain and flavored. [4] Lowfat, skim, buttermilk, and flavored drinks. [5] Heavy cream, light cream, and half-and-half. [6] Includes 80 percent of the product weight of butter and margarine and all of the product weight of other fats and oils, some of which are not shown separately. [7] Excludes apples, applesauce, cranberries, pineapple, and citrus sections. [8] Single-strength basis. [9] Excludes apples, apricots, peaches, and pears. [10] Includes asparagus, broccoli, carrots, cauliflower, celery, corn, lettuce, onions, and tomatoes. [11] Cleaned basis. [12] White, whole wheat, semolina, and durum flour. [13] High fructose, glucose, and dextrose; dry-weight equivalent. [14] Total population includes military personnel.

Source: Agricultural Outlook, May 1988